

CA125 GENE AND ITS USE FOR DIAGNOSTIC AND THERAPEUTIC INTERVENTIONS

BACKGROUND OF THE INVENTION

[0001] This application is a continuation-in-part of U.S. Provisional Application Serial No. 60/284,175 filed April 17, 2001, U.S. Provisional Application Serial No. 60/299,380 filed June 19, 2001, U.S. Non-Provisional Application No. 09/965,738 filed September 27, 2001, and U.S. Provisional Application Serial No. 60/345,180. This application is a continuation-in-part of provisional application 60/427,045 (filed November 15, 2002), all of which are hereby specifically incorporated by reference. Applicants hereby specifically claims the benefit of these prior filed applications under 35 U.S.C. § 119(e), and 120.

[0002] The present invention relates generally to the cloning, identification, and expression of the CA125 gene's glycosylated amino terminal domain, the multiple repeat domain, and the carboxy terminal domain *in vitro* and, more specifically, to the use of recombinant CA125 with epitope binding sites for diagnostic and therapeutic purposes. Additionally, the genomic DNA, a molecule encoding a 5' upstream region of CA125 and a genomic DNA sequence for the amino terminal, extra cellular repeats and carboxy terminal of CA125 has been determined.

[0003] CA125 is an antigenic determinant located on the surface of ovarian carcinoma cells with essentially no expression in normal adult ovarian tissue. Elevated in the sera of patients with ovarian adenocarcinoma, CA125 has played a critical role for more than 15 years in the management of these patients relative to their response to therapy and also as an indicator of recurrent disease.

[0004] It is well established that CA125 is not uniquely expressed in ovarian carcinoma, but is also found in both normal secretory tissues and other carcinomas (i.e., pancreas, liver, colon) [Hardardottir H *et al.*, Distribution of CA125 in embryonic tissue and adult derivatives of the fetal periderm, *Am J Obstet. Gynecol.* 163;6(1):1925-1931 (1990); Zurawski VR *et al.*, Tissue distribution and characteristics of the CA125 antigen, *Cancer Rev.* 11-12:102-108 (1988); and O'Brien TJ *et al.*, CA125 antigen in human amniotic fluid and fetal membranes, *Am J Obstet*

Gynecol. 155:50-55, (1986); Nap M *et al.*, Immunohistochemical characterization of 22 monoclonal antibodies against the CA125 antigen: 2nd report from the ISOBM TD-1 workshop, *Tumor Biology* 17:325-332 (1996)]. Notwithstanding, CA125 correlates directly with the disease status of affected patients (i.e., progression, regression, and no change), and has become the “gold standard” for monitoring patients with ovarian carcinoma [Bast RC *et al.*, A radioimmunoassay using a monoclonal antibody to monitor the course of epithelial ovarian cancer, *N Engl J Med.* 309:883-887 (1983); and Bon GC *et al.*, Serum tumor marker immunoassays in gynecologic oncology: Establishment of reference values, *Am J Obstet. Gynecol.* 174:107-114 (1996)]. CA125 is especially useful in post-menopausal patients where endometrial tissue has become atrophic and, as a result, is not a major source of normal circulating CA125.

[0005] During the mid 1980’s, the inventor of the present invention and others developed M11, a monoclonal antibody to CA125. M11 binds to a dominant epitope on the repeat structure of the CA125 molecule [O’Brien TJ *et al.*, New monoclonal antibodies identify the glycoprotein carrying the CA125 epitope, *Am J Obstet Gynecol* 165:1857-64 (1991)]. More recently, the inventor and others developed a purification and stabilization scheme for CA125, which allows for the accumulation of highly purified high molecular weight CA125 [O’Brien TJ *et al.*, More than 15 years of CA125: What is known about the antigen, its structure and its function, *Int J Biological Markers* 13(4):188-195 (1998)].

[0006] Considerable progress has been made over the years to further characterize the CA125 molecule, its structure and its function. The CA125 molecule is a high molecular weight glycoprotein with a predominance of O-linked sugar side chains. The native molecule exists as a very large complex (~2-5 million daltons). The complex appears to be composed of an epitope containing CA125 molecule and binding proteins which carry no CA125 epitopes. The CA125 molecule is heterogenous in both size and charge, most likely due to continuous deglycosylation of the side chains during its life-span in bodily fluids. The core CA125 subunit is in excess of 200,000 daltons, and retains the capacity to bind both OC125 and M11 class antibodies.

[0007] Despite the advances in detection and quantitation of serum tumor markers like CA125, the majority of ovarian cancer patients are still diagnosed at an advanced stage of the disease--Stage III or IV. Further, the management of patients' responses to treatment and the detection of disease recurrence remain major problems. There, thus, remains a need to significantly improve and standardize current CA125 assay systems. Further, the development of an early indicator of risk of ovarian cancer will provide a useful tool for early diagnosis and improved prognosis.

SUMMARY OF THE INVENTION

[0008] Thus, it is an object of the present invention to provide a recombinant CA125 cDNA molecule which can be introduced into animals or human cells to achieve transcription or expression of the cDNA. The utility of knowing the DNA sequence of a specific gene is that a recombinant protein can be produced which can be used as an easily renewable source of that gene or a portion of the gene. Producing and purifying recombinant protein is easier and can produce greater quantities of protein than purifying native protein from patients. The recombinant protein can then be used to produce antibodies to the gene, both polyclonal and monoclonal. The recombinant protein can also be used as a positive control in test kits and experiments.

[0009] The genomic sequence for CA125 and a 5' upstream region has been determined. A DNA sequence showing the 5' upstream region and the amino terminal portion of the CA125 molecule is set out in Table 1 and SEQ ID NO: 1. The extracellular amino terminal domain is made of exons: Exon 1 from 2205-11679; Exon 2 from 13464-13570; Exon 3 from 16177-34419; Exon 4 from 34575-38024; Exon 5 from 38689-38800; Exon 6 from 40578-45257; Exon 7 from 47360-47395; Exon 8 from 52407-52442; Exon 9 from 52686-52744 as set out in SEQ ID NO: 1. A DNA sequence showing the extracellular repeat portion of the CA125 molecule is set out in Table 2 and SEQ ID NO: 2. The genomic repeats are made of exons: Exon R1 from 1-130; Exon R2 from 442-510; Exon R3 from 5479-5652; Exon R4 from 6301-6334; Exon R5 from 6593-6657; Exon R1 from 7558-7683; Exon R2 from 8216-8284; Exon R3 from 8877-

9050; Exon R4 from 9380-9413; Exon R5 from 9675-9739; Exon R1 from 10201-10291; Exon R2 from 10524-10592; Exon R3 from 11200-11373; Exon R4 from 11722-11755; Exon R5 from 12016-12036; Exon R1 from 12169-12295; Exon R2 from 12532-12600; Exon R3 from 13219-13392; Exon R4 from 13723-13756; Exon R5 from 14016-14077; Exon R1 from 15001-15126; Exon R2 from 15367-15435; Exon R1 from 15648-15773; Exon R2 from 16002-16070; Exon R3 from 16653-16826; Exon R4 from 17158-17191; Exon R5 from 17453-17517; Exon R1 from 18532-18657; Exon R2 from 18888-18956; Exon R3 from 19633-19806; Exon R4 from 20141-20176; Exon R5 from 20387-20449; Exon R1 from 21609-21731; Exon R2 from 21940-22008; Exon R3 from 22605-22778; Exon R4 from 23109-23142; Exon R1 from 29046-29168; Exon R2 from 29266-29334; Exon R3 from 33917-34090; Exon R4 from 36702-36734; Exon R5 from 38270-38320; Exon R1 from 39104-39224; Exon R2 from 39315-39383; Exon R3 from 39532-39705; Exon R4 from 41862-41992. A DNA sequence showing the carboxy terminal domain of the CA125 molecule is set out in Table 3 and SEQ ID NO: 3. The carboxy terminal portion is made of exons: Exon C1 from 1-66; Exon C2 from 1802-1947; Exon C3 from 4198-4350; Exon C4 from 4679-4747; Exon C5 from 6811-6978; Exon C6 from 11232-11270; Exon C7 from 11594-11677; Exon C8 from 14095-14187 as set out in SEQ ID NO: 3. A full length cDNA molecule for CA125 is set out in Table 4 and SEQ ID NO: 4. A CA125 protein is set out in Table 5 and SEQ ID NO: 5.

[0010] Now that the DNA sequence which encodes CA125 has been discovered known synthetic methods can be employed to prepare DNA molecules containing portions of the sequence. Conventional cloning vehicles, such as plasmids, viruses, or bacteria phages can be modified using known methods so as to produce novel cloning vehicles which contain cDNA encoding, CA125, analogs or mutants thereof. Similarly, such cloning vehicles can be modified or engineered so that they contain DNA molecules from Table 4 and SEQ ID NO: 4 or segments substantially similar thereto. The DNA molecule inserted may be made by various methods including enzymatic or chemical synthesis.

[0011] The CA125 gene has been cloned and multiple repeat sequences as well as the glycosylated amino terminal and the carboxy terminus have been identified. CA125 requires a

transcript of more than 35,000 bases and occupies approximately 150,000 bp on chromosome 19p 13.2. The CA125 molecule comprises three major domains: an extracellular amino terminal domain (Domain 1); a large multiple repeat domain (Domain 2); and a carboxy terminal domain (Domain 3) which includes a transmembrane anchor with a short cytoplasmic domain. The amino terminal domain is assembled by combining five genomic exons, four very short amino terminal sequences and one extraordinarily large exon. This domain is dominated by its capacity for O-glycosylation and its resultant richness in serine and threonine residues. Additionally, an amino terminal extension is present, which comprises four genomic exons. Analysis of the amino terminal extension revealed that its amino acid composition is consistent with the amino acid composition of the amino terminal domain.

[0012] Perhaps even more significantly, the multiple repeat domains of CA125 or other domains could also be used for the development of a potential vaccine for patients with ovarian cancer. In order to induce cellular and humoral immunity in humans to CA125, murine antibodies specific for CA125 were utilized in anticipation of patient production of anti-ideotypic antibodies, thus indirectly allowing the induction of an immune response to the CA125 molecule. With the availability of recombinant CA125, especially domains which encompass epitope binding sites for known murine antibodies, it will be feasible to more directly stimulate patients' immune systems to CA125 and, as a result, extend the life of ovarian carcinoma patients.

[0013] The recombinant CA125 of the present invention may also be used to develop therapeutic targets. Molecules like CA125, which are expressed on the surface of tumor cells, provide potential targets for immune stimulation, drug delivery, biological modifier delivery or any agent which can be specifically delivered to ultimately kill the tumor cells. Humanized or human antibodies to CA125 epitopes could be used to deliver all drug or toxic agents including radioactive agents to mediate direct killing of tumor cells. Natural ligands having a natural binding affinity for domains on the CA125 molecule could also be utilized to deliver therapeutic agents to tumor cells.

[0014] CA125 expression may further provide a survival or metastatic advantage to ovarian tumor cells. Antisense oligonucleotides derived from the CA125 repeat sequences could be used to down-regulate the expression of CA125. Further, antisense therapy could be used in association with a tumor cell delivery system of the type described above.

[0015] Recombinant domains of the CA125 molecule also have the potential to identify small molecules, which bind to individual domains of the CA125 molecule. These small molecules could also be used as delivery agents or as biological modifiers.

[0016] In another aspect of the present invention, an isolated nucleic acid of the CA125 gene is disclosed, which comprises a nucleotide sequence selected from the group consisting of: (a) the nucleotide sequences set forth in SEQ ID NOS: 1, 2, 3 and 4; (b) a nucleotide sequence having at least 70% sequence identity to any one of the sequences in (a); (c) a degenerate variant of any one of (a) to (b); and (d) a fragment of any one of (a) to (c).

[0017] In another aspect of the present invention, an isolated nucleic acid of the CA125 gene, comprising a sequence that encodes a polypeptide with the amino acid sequence selected from the group consisting of: (a) the amino acid sequences set forth in SEQ ID NO: 5; (b) an amino acid sequence having at least 50% sequence identity to any one of the sequences in (a); (c) a conservative variant of any one of (a) to (b); and (d) a fragment of any one of (a) to (c).

[0018] The vector may be a cloning vector, a shuttle vector, or an expression vector. A cultured cell comprising the vector is also contemplated.

[0019] More specifically, this invention relates to a purified antibody that selectively binds to an epitope in the CA125 protein of SEQ ID NO: 5. Similarly, the purified antibody selectively binds to an amino acid sequence having at least 50% sequence identity to said sequence; the purified antibody selectively binds to an amino acid sequence having at least 60% sequence identity to said sequence; the purified antibody selectively binds to an amino acid sequence having at least 70% sequence identity to said sequence; the purified antibody selectively binds to an amino acid sequence having at least 80% sequence identity to said sequence; and the purified

antibody selectively binds to an amino acid sequence having at least 90% sequence identity to said sequence. Additionally, purified antibody can be a conservative variant of the amino acid sequence set forth in SEQ ID NO: 5 or a fragment thereof.

DETAILED DESCRIPTION OF THE INVENTION

[0020] In accordance with the present invention, conventional molecular biology, microbiology, and recombinant DNA techniques may be used that will be apparent to those skilled in the relevant art. Such techniques are explained fully in the literature (see, e.g., Maniatis, Fritsch & Sambrook, "Molecular Cloning: A Laboratory Manual (1982); "DNA Cloning: A Practical Approach," Volumes I and II (D. N. Glover ed. 1985); "Oligonucleotide Synthesis" (M. J. Gait ed. 1984); "Nucleic Acid Hybridization" (B. D. Hames & S. J. Higgins eds. (1985)); "Transcription and Translation" (B. D. Hames & S. J. Higgins eds. (1984)); "Animal Cell Culture" (R. I. Freshney, ed. (1986)); "Immobilized Cells And Enzymes" (IRL Press, (1986)); and B. Perbal, "A Practical Guide To Molecular Cloning" (1984)).

[0021] Therefore, if appearing herein, the following terms shall have the definitions set out below.

[0022] A "vector" is a replicon, such as plasmid, phage or cosmid, to which another DNA segment may be attached so as to bring about the replication of the attached segment.

[0023] A "DNA molecule" refers to the polymeric form of deoxyribonucleotides (adenine, guanine, thymine, or cytosine) in either single stranded form, or a double-stranded helix. This term refers only to the primary and secondary structure of the molecule, and does not limit it to any particular tertiary forms. Thus, this term includes double-stranded DNA found, inter alia, in linear DNA molecules (e.g., restriction fragments), viruses, plasmids, and chromosomes.

[0024] As used herein, the term "gene" shall mean a region of DNA encoding a polypeptide chain.

[0025] "Messenger RNA" or "mRNA" shall mean an RNA molecule that encodes for one or more polypeptides.

[0026] "DNA polymerase" shall mean an enzyme which catalyzes the polymerization of deoxyribonucleotide triphosphates to make DNA chains using a DNA template.

[0027] "Reverse transcriptase" shall mean an enzyme which catalyzes the polymerization of deoxy- or ribonucleotide triphosphates to make DNA or RNA chains using an RNA or DNA template.

[0028] "Complementary DNA" or "cDNA" shall mean the DNA molecule synthesized by polymerization of deoxyribonucleotides by an enzyme with reverse transcriptase activity.

[0029] An "isolated nucleic acid" is a nucleic acid the structure of which is not identical to that of any naturally occurring nucleic acid or to that of any fragment of a naturally occurring genomic nucleic acid spanning more than three separate genes. The term therefore covers, for example, (a) a DNA which has the sequence of part of a naturally occurring genomic DNA molecule but is not flanked by both of the coding sequences that flank that part of the molecule in the genome of the organism in which it naturally occurs; (b) a nucleic acid incorporated into a vector or into the genomic DNA of a prokaryote or eukaryote in a manner such that the resulting molecule is not identical to any naturally occurring vector or genomic DNA; (c) a separate molecule such as a cDNA, a genomic fragment, a fragment produced by polymerase chain reaction (PCR), or a restriction fragment; and (d) a recombinant nucleotide sequence that is part of a hybrid gene, i.e., a gene encoding a fusion protein.

[0030] "Oligonucleotide", as used herein in referring to the probes or primers of the present invention, is defined as a molecule comprised of two or more deoxy- or ribonucleotides, preferably more than ten. Its exact size will depend upon many factors which, in turn, depend upon the ultimate function and use of the oligonucleotide.

[0031] "DNA fragment" includes polynucleotides and/or oligonucleotides and refers to a plurality of joined nucleotide units formed from naturally-occurring bases and cyclofuranosyl

groups joined by native phosphodiester bonds. This term effectively refers to naturally-occurring species or synthetic species formed from naturally-occurring subunits. "DNA fragment" also refers to purine and pyrimidine groups and moieties which function similarly but which have non naturally-occurring portions. Thus, DNA fragments may have altered sugar moieties or inter-sugar linkages. Exemplary among these are the phosphorothioate and other sulfur containing species. They may also contain altered base units or other modifications, provided that biological activity is retained. DNA fragments may also include species which include at least some modified base forms. Thus, purines and pyrimidines other than those normally found in nature may be so employed. Similarly, modifications on the cyclofuranose portions of the nucleotide subunits may also occur as long as biological function is not eliminated by such modifications.

[0032] "Primer" shall refer to an oligonucleotide, whether occurring naturally or produced synthetically, which is capable of acting as a point of initiation of synthesis when placed under conditions in which synthesis of a primer extension product, which is complementary to a nucleic acid strand, is induced, i.e., in the presence of nucleotides and an inducing agent such as a DNA polymerase and at a suitable temperature and pH. The primer may be either single-stranded or double-stranded and must be sufficiently long to prime the synthesis of the desired extension product in the presence of the inducing agent. The exact length of the primer will depend upon many factors, including temperature, the source of primer and the method used. For example, for diagnostic applications, depending on the complexity of the target sequence, the oligonucleotide primer typically contains 10-25 or more nucleotides, although it may contain fewer nucleotides.

[0033] The primers herein are selected to be "substantially" complementary to different strands of a particular target DNA sequence. This means that the primers must be sufficiently complementary to hybridize with their respective strands. Therefore, the primer sequence need not reflect the exact sequence of the template. For example, a non-complementary nucleotide fragment may be attached to the 5' end of the primer, with the remainder of the primer sequence being complementary to the strand. Alternatively, non-complementary bases or longer

sequences can be interspersed into the primer, provided that the primer sequence has sufficient complementarity with the sequence or hybridize therewith and thereby form the template for the synthesis of the extension product.

[0034] As used herein, the term "hybridization" refers generally to a technique wherein denatured RNA or DNA is combined with complementary nucleic acid sequence which is either free in solution or bound to a solid phase. As recognized by one skilled in the art, complete complementarity between the two nucleic acid sequences is not a pre-requisite for hybridization to occur. The technique is ubiquitous in molecular genetics and its use centers around the identification of particular DNA or RNA sequences within complex mixtures of nucleic acids.

[0035] As used herein, "restriction endonucleases" and "restriction enzymes" shall refer to bacterial enzymes which cut double-stranded DNA at or near a specific nucleotide sequence.

[0036] "Purified polypeptide" refers to any peptide generated from CA125 either by proteolytic cleavage or chemical cleavage.

[0037] "Degenerate variant" refers to any amino acid variation in the repeat sequence, which fulfills the homology exon structure and conserved sequences and is recognized by the M11, OC125 and ISOBM series of antibodies.

[0038] "Fragment" refers to any part of the CA125 molecule identified in a purification scheme.

[0039] "Conservative variant antibody" shall mean any antibody that fulfills the criteria of M11, OC125 or any of the ISOBM antibody series.

[0040] "Homology" refers to similarity based on identical base matches in alignment. When two sequences are identical there is a 100% homology, as base matches differ in alignment the homology between two sequences is reduced.

[0041] The CA125 gene has been cloned and multiple repeat sequences as well as the carboxy terminus have been identified. The genomic DNA for the CA125 gene is set out in SEQ

ID NO: 4. The CA125 molecule comprises three major domains: an extracellular amino terminal domain (Domain 1); a large multiple repeat domain (Domain 2); and a carboxy terminal domain (Domain 3) which includes a transmembrane anchor with a short cytoplasmic domain. The amino terminal domain is assembled by combining five genomic exons, four very short amino terminal sequences and one extraordinarily large exon. This domain is dominated by its capacity for O-glycosylation and its resultant richness in serine and threonine residues. Additionally, an amino terminal extension is present, which comprises four genomic exons. The amino acid composition of the amino terminal extension was found to be consistent with the amino acid composition of the amino terminal domain. The molecular structure is dominated by a repeat domain comprising 156 amino acid repeat units, which encompass the epitope binding sites. More than 60 repeat units have been identified, sequenced, and contiguously placed in the CA125 domain structure. The repeat units encompass an interactive disulfide bridged C-enclosure and the site of OC125 and M11 binding. The repeat sequences demonstrated 70-85% homology to each other. Expression of the repeats was demonstrated in *E. coli*. The CA125 molecule is anchored at its carboxy terminal through a transmembrane domain and a short cytoplasmic tail. The carboxy terminal also contains a proteolytic cleavage site approximately 50 amino acids upstream from the transmembrane domain, which allows for proteolytic cleavage and release of the CA125 molecule. Any one of the repeat domains has the potential for use as a new gold standard for detecting and monitoring the presence of the CA125 antigen. Further, the repeat domains or other domains, especially the c-terminal to the repeat domain also provide a basis for the development of a vaccine, which would be useful for the treatment of ovarian cancer and other carcinomas where CA125 is elevated.

[0042] The DNA sequences of the present invention can also be characterized as encoding the amino acid sequence equivalents of the amino acid sequence, equivalents, as used in this context, include peptides of substantially similar length and amino acid identity to those disclosed, but having conservative amino acid substitution at a non-critical residue position. A conservative amino acid substitution is a substitution in which an amino acid residue is replaced with an amino acid residue of differing identity, but whose R group can be characterized by

chemically similar. Four common categories include: polar but uncharged R groups; positively charged R groups; negatively charged R groups; and, hydrophobic R groups. A preferred conservative substitution involves the substitution of a second hydrophobic residue for a first hydrophobic residue, the first and second hydrophobic residues differing primarily in the size of the R group. The hydrophobic residue would be predicted to be located internally in the folded peptide structure and the mild perturbation caused only by a change in the size of an R group at an internally located which would not alter the antigenicity of R protein. More specifically, two nucleic acid molecules are substantially equivalent if they have at least about 70% homology.

[0043] The isolated cDNA sequences (Table 4 and SEQ ID NO: 4) of the present invention can be inserted into an expression vector. Such vectors contain all necessary regulatory signals to promote the expression of a DNA sequence of interest. Expression vectors are typically either prokaryote or eukaryote specific. Expression vectors can be introduced into either prokaryote or eukaryote cells to produce CA125 proteins or portions thereof. The isolated cDNA sequence as shown in Table 4 was expressed to provide the CA125 molecule set out in Table 5 and SEQ ID NO: 5. The expressed CA125 is a polypeptide with the amino acid sequence set forth in SEQ ID NO: 5; an amino acid sequence having at least 50% sequence identity to the sequence, a conservative for variant or a fragment of any of the above. Two polypeptide sequences are substantially equivalent if there is at least 50% sequence homology and substantial similar physical characteristics. However, in practice, a portion of an isolated nucleic acid molecule set out in SEQ ID NO: 4 is expressed to obtain a fragment of the CA125 molecule. This fragment is then purified to obtain an isolated CA125 fragment.

[0044] In certain embodiments, "purified" refers to a polypeptide composition which has been subjected to fractionation to remove various nonprotein components such as other cellular components. Various techniques suitable for use in protein purification are known to those skilled in the relevant art. These techniques include, for example, precipitation with ammonium sulphate, PEG, antibodies and the like or by heat denaturation, followed by centrifugation; chromatography steps such as ion exchange, gel filtration, reverse phase, hydroxylapatite and affinity chromatography; isoelectric focusing; gel electrophoresis; and combination of such

techniques. Similarly, a “purification scheme” is a technique or system to remove various nonprotein components such as other cellular components from the expressed protein. Various techniques suitable for use in protein purification are known to those skilled in the relevant art. These techniques include, for example, precipitation with ammonium sulphate, PEG, antibodies and the like or by heat denaturation, followed by centrifugation; chromatography steps such as ion exchange, gel filtration, reverse phase, hydroxylapatite and affinity chromatography; isoelectric focusing; gel electrophoresis; and combination of such techniques.

[0045] The genomic DNA and a full-length cDNA sequence of human CA125 has been determined. Additionally, a nucleic acid molecule encoding a 5' upstream region of the CA125 gene has been determined. cDNA is expressed with the use of an expression vector. An expression vector is a carrying vector that has an inducer for expression built into the vector. Different vectors use different inducers. The cDNA is ligased into the expression vector using restriction digest sites designed in the vector. The cDNA must be ligased in the sense direction and in the correct reading frame for expression to occur. Once the cDNA is ligased into the expression vector, the construct is transformed into a cell. In the preferred embodiment, we use E-Coli bacteria, but the transformation can be done with yeast, mammalian cells, plants cells, etc. The transformed cells are then grown in culture and protein production is induced with the an inducing agent for the expression vector. In the preferred embodiment, we use the pQE-30 expression vector and induce with IPTG. Once induction has occurred, the cells are harvested and the protein is purified. It should be noted that some expression vectors add tags to the recombinant protein to aid in purification. For example, pQE-30 adds a His-Tag which binds to nickel to aid in purification. Once cells have been successfully transformed, a small aliquot can be frozen and stored for future use.

[0046] With a cDNA sequence, one skilled in the art has an easily renewable source of purified CA125. Portions of this cDNA sequence can be expressed to make CA125 polypeptides and these polypeptides can be used to make monoclonal antibodies. These monoclonal antibodies can be made by one skilled in the art to portions of the protein which heretofore do not have any monoclonal antibodies, such as the amino terminal sequence.

[0047] More specifically, the purified antibodies are made by the following process: the recombinant protein is injected into an animal (usually a mouse, but other animals can be used). The animal's B-lymphocytes produce antibodies to the protein. Each activated B lymphocyte forms a clone of cells in spleen or lymph nodes, with each cell of the clone producing identical antibody. These spleen cells are then harvested and fused with myeloma cells to produce hybridomas. These hybridomas are immortal and produce only one type of antibody. The hybridomas are selected from cells that did not fuse by selective media. The hybridomas can then be grown in large quantities to produce large quantities of monoclonal antibodies.

[0048] Therapeutic Targets: Molecules, which are expressed on the surface of tumor cells as CA125 is, offer potential targets for immune stimulation, drug delivery, biological modifier delivery or any agent which can be specifically delivered to ultimately kill the tumor cells. CA125 offers such potential as a target: 1) Antibodies to CA125 epitopes or newly described potential epitopes: Most especially humanized or human antibodies to CA125 which could directly activate the patients' immune system to attack and kill tumor cells. Antibodies could be used to deliver all drug or toxic agents including radioactive agents to mediate direct killing of tumor cells. 2) Natural ligands: Under normal circumstances, molecules are bound to the CA125 molecule e.g. a 50 k dalton protein which does not contain CA125 epitopes co-purifies with CA125. Such a molecule, which might have a natural binding affinity for domains on the CA125 molecule, could also be utilized to deliver therapeutic agents to tumor cells.

[0049] Anti-sense therapy: CA125 expression may provide a survival or metastatic advantage to ovarian tumor cells as such antisense oligonucleotide derived from the CA125 sequence could be used to down-regulate the expression of CA125. Antisense therapy could be used in association with a tumor cell delivery system such as described above.

[0050] Small Molecules: Recombinant domains of CA125 also offer the potential to identify small molecules which bind to individual domains of the molecule. Small molecules either from combinatorial chemical libraries or small peptides can also be used as delivery agents or as biological modifiers.

[0051] Transgenic Animals/Transformed: CA125 and genomic DNA can be used to develop transgenic animal models and can be used under low stringency conditions, to clone CA125 cDNAs and genomic DNAs of other animal species. The CA125 cDNA can be used to prepare stable transformants. The bacterial cells could be transformed with CA125 cDNA to include these genes.

Example 1

[0052] Expression of 6xHis-tagged CA125 repeat in E. coli: The open reading frame of the CA125 repeat was amplified by PCR with the 5' sense primer 1 (5'-ACCGGATCCATGGGCCACACAGAGCCTGGCCC-3') (SEQ ID NO: 6) and the 3' antisense primer 2 (5'-TGTAAGCTTAGGCAGGGAGGATGGAGTCC-3') (SEQ ID NO: 7). The open reading frame of the CA125 repeat constitutes a portion of the isolated nucleic acid molecule set out in SEQ ID NO: 4. PCR was performed in a reaction mixture consisting of ovarian tumor cDNA derived from 50 ng of mRNA, 5 pmol each of sense and antisense primers for the CA125 repeat, 0.2 mmol of dNTPs, and 0.625 U of Taq polymerase in 1x buffer in a final volume of 25 μ l. This mixture was subjected to 1 minute of denaturation at 95°C followed by 30 cycles of PCR consisting of the following: denaturation for 30 seconds at 95°C, 30 seconds of annealing at 62°C, and 1 minute of extension at 72°C with an additional 7 minutes of extension on the last cycle. The product was electrophoresed through a 2% agarose gel for separation, the PCR product was purified and digested with the restriction enzymes BamHI and HindIII. This digested PCR product was ligated into the expression vector pQE-30, which had also been digested with BamHI and HindIII. The ligation reaction consisted of 1ul of 10x ligation buffer, 1ul of 10x bovine serum albumin (BSA), 1ul of T4 ligase enzyme, and 7ul of digested PCR product. The reaction went overnight at 15° C. This clone would allow for expression of recombinant amino-terminal 6xHis-tagged CA125 repeat. The construct was then transformed into JM109 E. coli cells. The transformation reaction consisted of 5ul of ligation reaction and 50ul of cells. The reaction was mixed gently and then incubated on ice for 30 minutes. The reaction was then heat shocked at 42° C for 45 seconds in a water bath before being returned to ice for 2 minutes. 500ul of LB broth media were added and the mixture was incubated at 37° C

for 1 hour. At the end of 1 hour the cells were spun down in a microfuge at 4,000 x g for 5 minutes and approximately 450ul of media was removed. The cells were resuspended in the remaining 100ul of media, transferred to a LAIX plate, and incubated overnight at 37° C. White colonies were picked from the plate and cultured in 5ml LB broth media to determine if the transformation was successful. Transformed E. coli were grown in 1L cultures to an OD₆₀₀ of 1.5-2.0 at 37°C and were induced with IPTG (0.1 mM) for 4-6 hours at 25°C to produce recombinant protein. Whole E.coli lysate was electrophoresed through a denaturing 12% polyacrylamide gel and Coomassie stained to detect highly expressed proteins. His-tagged proteins were purified under denaturing conditions using Ni-NTA agarose metal chelating affinity chromatography available from Qiagen according to the manufacturer's instructions. Cells are spun down to remove liquid LB broth media. The cells are then resuspended in 40ml of 8M Urea lysis buffer (pH 8.0) and incubated with agitation overnight at room temperature. The mixture is then spun down and the lysate is removed. The lysate is then incubated with Ni-NTA agarose beads with agitation overnight at room temperature. The beads are pelleted and the supernatant is removed. The beads are then washed twice in lysis buffer pH 8.0 plus Triton X, three times with lysis buffer pH 6.3 plus Triton X, and four times with lysis buffer pH 6.3 without Triton X. The protein is then eluted from the beads with lysis buffer pH4.2 plus 25mM EDTA incubated overnight with agitation at room temperature. The beads are pelleted and the supernatant containing the recombinant protein is removed. The supernatant is then dialyzed twice in .2x PBS to remove the urea and freeze dried for storage. 1L of culture produced 2.4mg of recombinant protein.

[0053] It should be understood that various changes and modifications to the presently preferred embodiments described herein will be apparent to those skilled in the art. Such changes and modifications can be made without departing from the spirit and scope of the present invention and without diminishing its attendant advantages.

Table 1

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
1	GGTGCGCACC	ACTATGTCTG	GCTAATTTTT	GTATTTTTTT	GTAGAGACAT
51	GGTTTCACCA	TGTTGGCCAG	GCTGGTCTCG	AATTCCTGAC	TTCAAGTAAT
101	CCACCCACCT	CAGCCTCCCA	AAGTGCTGGG	ATTACAAGCA	TGAGCCACCA
151	TGCATGGCCT	AAAGCTTCTT	TTAAAGCCAC	CAAGTCCCTT	CCCATGTTAG
201	CCCACTAATC	CATGGGTTAG	TCATGAATGG	ATTAATCTAT	TCATACGGAC
251	AGAGCCCTCA	TCACCCAATC	ACCTCTTAAA	GGCCCCACCT	CTCAATACTG
301	CCCACTGGG	GATTAAGTTT	CAACAGAGTT	TTGGAGGGGA	CATTCAAATC
351	ATAGTAATGC	CCAAAGTGAA	AAATCTTCCC	TGCACTTTTC	CCTCAACAAA
401	AACAGCCAGA	GATAGTGAGC	TGCCAGGAAA	TTCTTTTTTT	TTTCCTCTTC
451	TGTCCTAAAT	CAGCATCGCT	AGACCTTTAC	ATGATTCAAC	CTCATCTTCT
501	TCACCCTCTG	GGTCATGAAA	TTTTATTTAT	TTATTTATTA	TTTTCTTGGG
551	ACAGACTCTG	GCTCTGTCGC	CCAGGCTGAA	GTGCAGTGGT	GTGATCTTGG
601	CTCACTGCAA	CCTCCGCCTC	CCGGGTTCAA	GCGATTCTCC	TGCCTCAGCC
651	TCCTGAGTAG	CTGGGATTAC	AGGTGGGCGC	CACCACACCC	AGCTAATTTT
701	TTGTATTTTT	AGTAGAGATG	GGGTTTCACC	ATATTAGCCA	GGATGGTCTC
751	CATCTCTTGA	CCTCGTGATC	TGCCCACCTC	AGCCTCCCAA	AATGCTGGGA
801	TTACAGGCAT	GAGACACCAC	GCCCAGCAGG	CCAGGGTCAT	GAGATTTTAA
851	TCAAGAGCAA	CTTCCACTGA	TTCTGAGAG	TGCATCTGTG	GGCCCCTGCT
901	CTGATCTGAA	CAGAAGTGCC	GTGTCTTCTC	TGACCTCCAC	TTCTCAATTC
951	AAGAGCCTTA	GTATCTGCCA	GTATCACACA	CTGAGCATTA	GCTCCATCTC

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
1001	ATGGGGGTGT	AGGTAGGGGC	TCTATCTGCA	TCTTTCTTTC	TTTTTTTCTT
1051	TCTTTCCCTT	CCTCCCTTCC	TCACTCCCTC	GGTCCTCTCT	TTCTTTCCTT
1101	TTCTTTCTTC	CTTCCTCCCT	TCCTCCCTCC	CTCCCTCTCT	CTTTCCTCTCT
1151	TTCTTTCTTT	CCTTCTTTCT	TTCTTTCTCT	CTTCCTTCCC	TCCCTCCCTC
1201	CTTCCTTCCT	TTCTCTTTCT	TTCTCTTTCT	TTCTTTTTTT	CCTTCCTTCC
1251	TTCTTTCTTT	CTCTTTCTCT	CCCTCCCTTC	CTTCCTTCCT	TCCTTCCTTC
1301	CTTCCTTTCT	TTCTTTCTTT	CTTTCTTTCT	TTCTTTCTTT	CTTTCCTTCT
1351	TTCTTTCTTC	CTTCCTTCCT	TCCTTCCTTC	CTTCCTTCCT	TCCTTCCTTT
1401	CTTTTCTTTC	TTTCTCTTTC	TTTTTGAGAC	AGAGCTCTTA	TTACCCATGC
1451	TGGAGTGCAG	TGGTGTGACC	TTGGCTTACT	GCAACATCTG	CCTCCTAGGG
1501	TCAAGTGATT	CTCCTGCCTC	AGCCTCCTAA	GTAGCTGGGA	TTACAGACAC
1551	ATGCCACCAC	ACCCAATATT	TATTTTATT	AAAATTTTTT	TTAAAATTAT
1601	TTTTAAAAAA	TTAAAAATAA	TTTTGTATTT	TTAGTAGAGA	CGGGGTTTCT
1651	CCATGTTGGT	CAGGCTGATC	TCAAACCTCC	AACCTCAGGT	GATCCTCCCA
1701	CCTCACCTCC	CAAAGTGCTG	GGATTACAGG	CATGAGCCAC	CGTGCCACAGC
1751	CTGGTTCCTG	GTTTCTAAGA	CATCACACAC	ACACACACAC	ACACACACAC
1801	AACTCACAC	ACTCAGAGAG	AGAGAGAGAG	AGAGGATCAT	TAAGACATGA
1851	TACACTAAGA	AATTCTATT	TGCAGACACT	GAGAATCCGT	TAAAAAGTTT
1901	GAAGGGAAGA	ATTGAGATCA	TCAGGTGTTT	ATTTGAGGAA	ATTGTCTGTG
1951	GTTGAACTAT	CCTTTCCTTT	CTCTCCCTGA	GATTGCTCT	TCTCAATTAG

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
2001	AAGCGTTGCA	CAATTCCCCC	AACCTCCATA	CATACGGCAG	CTCTTCTAGA
2051	CACAGGTTTT	CCCAGGTCAA	ATGCGGGGAC	CCCAGCCATA	TCTCCCACCC
2101	TGAGAAATTT	TGGAGTTTCA	GGGAGCTCAG	AAGCTCTGCA	GAGGCCACCC
2151	TCTCTGAGGG	GATTCTTCTT	AGACCTCCAT	CCAGAGGCAA	ATGTTGACCT
Exon1					
2201	GTCC <u>ATG</u> CTG	AAACCCTCAG	GCCTTCCTGG	GTCATCTTCT	CCCACCCGCT
2251	CCTTGATGAC	AGGGAGCAGG	AGCACTAAAG	CCACACCAGA	AATGGATTCA
2301	GGA <u>CTG</u> ACAG	GAGCCACCTT	GTCACCTAAG	ACATCTACAG	GTGCAATCGT
2351	GGTGACAGAA	CATACTCTGC	CCTTTACTTC	CCCAGATAAG	ACCTTGGCCA
2401	GTCCTACATC	TTCGGTTGTG	GGAAGAACCA	CCCAGTCTTT	GGGGGTGATG
2451	TCCTCTGCTC	TCCCTGAGTC	AACCTCTAGA	GGAATGACAC	ACTCCGAGCA
2501	AAGAACCAGC	CCATCGCTGA	GTCCCCAGGT	CAATGGA	ACT CCCTCTAGGA
2551	ACTACCCTGC	TACAAGCATG	GTTTCAGGAT	TGAGTTCCCC	AAGGACCAGG
2601	ACCAGTTCCA	CAGAAGGAAA	TTTTACCAA	GAAGCATCTA	CATACACACT
2651	CACTGTAGAG	ACCACAAGTG	GCCCAGTCAC	TGAGAAGTAC	ACAGTCCCCA
2701	CTGAGACCTC	AACA	ACTGAA	GGTGACAGCA	CAGAGACCCC CTGGGACACA
2751	AGATATATTC	CTGTAAAAAT	CACATCTCCA	ATGAAAACAT	TTGCAGATTC
2801	AACTGCATCC	AAGGAAAATG	CCCCAGTGTC	TATGACTCCA	GCTGAGACCA
2851	CAGTTACTGA	CTCACATACT	CCAGGAAGGA	CAAACCCATC	ATTTGGGACA
2901	CTTTATTCTT	CCTTCCTTGA	CCTATCACCT	AAAGGGACCC	CAAATTCAG

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
2951	<u>AGGTGAAACA</u>	<u>AGCCTGGAAC</u>	<u>TGATTCTATC</u>	<u>AACCACTGGA</u>	<u>TATCCCTTCT</u>
3001	<u>CCTCTCCTGA</u>	<u>ACCTGGCTCT</u>	<u>GCAGGACACA</u>	<u>GCAGAATAAG</u>	<u>TACCAGTGCG</u>
3051	<u>CCTTTGTCAT</u>	<u>CATCTGCTTC</u>	<u>AGTTCTCGAT</u>	<u>AATAAAATAT</u>	<u>CAGAGACCAG</u>
3101	<u>CATATTCTCA</u>	<u>GGCCAGAGTC</u>	<u>TCACCTCCCC</u>	<u>TCTGTCTCCT</u>	<u>GGGGTGCCCCG</u>
3151	<u>AGGCCAGAGC</u>	<u>CAGCACAATG</u>	<u>CCCAACTCAG</u>	<u>CTATCCCTTT</u>	<u>TTCCATGACA</u>
3201	<u>CTAAGCAATG</u>	<u>CAGAAACAAG</u>	<u>TGCCGAAAGG</u>	<u>GTCAGAAGCA</u>	<u>CAATTTCCTC</u>
3251	<u>TCTGGGGACT</u>	<u>CCATCAATAT</u>	<u>CCACAAAGCA</u>	<u>GACAGCAGAG</u>	<u>ACTATCCTTA</u>
3301	<u>CCTTCCATGC</u>	<u>CTTCGCTGAG</u>	<u>ACCATGGATA</u>	<u>TACCCAGCAC</u>	<u>CCACATAGCC</u>
3351	<u>AAGACTTTGG</u>	<u>CTTCAGAATG</u>	<u>GTTGGGAAGT</u>	<u>CCAGGTACCC</u>	<u>TTGGTGGCAC</u>
3401	<u>CAGCACTTCA</u>	<u>GCGCTGACAA</u>	<u>CCACATCTCC</u>	<u>ATCTACCACT</u>	<u>TTAGTCTCAG</u>
3451	<u>AGGAGACCAA</u>	<u>CACCCATCAC</u>	<u>TCCACGAGTG</u>	<u>GAAAGGAAAC</u>	<u>AGAAGGAACT</u>
3501	<u>TTGAATACAT</u>	<u>CTATGACTCC</u>	<u>ACTTGAGACC</u>	<u>TCTGCTCCTG</u>	<u>GAGAAGAGTC</u>
3551	<u>CGAAATGACT</u>	<u>GCCACCTTGG</u>	<u>TCCCCACTCT</u>	<u>AGGTTTACAC</u>	<u>ACTCTTGACA</u>
3601	<u>GCAAGATCAG</u>	<u>AAGTCCATCT</u>	<u>CAGGTCTCTT</u>	<u>CATCCCACCC</u>	<u>AACAAGAGAG</u>
3651	<u>CTCAGAACCA</u>	<u>CAGGCAGCAC</u>	<u>CTCTGGGAGG</u>	<u>CAGAGTTCCA</u>	<u>GCACAGCTGC</u>
3701	<u>CCACGGGAGC</u>	<u>TCTGACATCC</u>	<u>TGAGGGCAAC</u>	<u>CACTTCCAGC</u>	<u>ACCTCAAAAG</u>
3751	<u>CATCATCATG</u>	<u>GACCAGTGAA</u>	<u>AGCACAGCTC</u>	<u>AGCAATTTAG</u>	<u>TGAACCCCAG</u>
3801	<u>CACACACAGT</u>	<u>GGGTGGAGAC</u>	<u>AAGTCCTAGC</u>	<u>ATGAAAACAG</u>	<u>AGAGACCCCC</u>
3851	<u>AGCATCAACC</u>	<u>AGTGTGGCAG</u>	<u>CCCCTATCAC</u>	<u>CACTTCTGTT</u>	<u>CCCTCAGTGG</u>
3901	<u>TCTCTGGCTT</u>	<u>CACCACCCTG</u>	<u>AAGACCAGCT</u>	<u>CCACAAAAGG</u>	<u>GATTGCGCTT</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
3951	<u>GAAGAAACAT CTGCAGACAC ACTCATCGGA GAATCCACAG CTGGCCCAAC</u>
4001	<u>CACCCATCAG TTTGCTGTTC CCACTGGGAT TTCAATGACA GGAGGCAGCA</u>
4051	<u>GCACCAGGGG AAGCCAGGGC ACAACCCACC TACTCACCAG AGCCACAGCA</u>
4101	<u>TCATCTGAGA CATCCGCAGA TTTGACTCTG GCCACGAACG GTGTCCCAGT</u>
4151	<u>CTCCGTGTCT CCAGCAGTGA GCAAGACGGC TGCTGGCTCA AGTCCTCCAG</u>
4201	<u>GAGGGACAAA GCCATCATAT ACAATGGTTT CTTCTGTCAT CCCTGAGACA</u>
4251	<u>TCATCTCTAC AGTCCTCAGC TTTCAGGGAA GGAACCAGCC TGGGACTGAC</u>
4301	<u>TCCATTAAAC ACTAGACATC CCTTCTCTTC CCCTGAACCA GACTCTGCAG</u>
4351	<u>GACACACCAA GATAAGCACC AGCATTCCCTC TGTTGTCATC TGCTTCAGTT</u>
4401	<u>CTTGAGGATA AAGTGTCAGC GACCAGCACA TTCTCACACC ACAAAGCCAC</u>
4451	<u>CTCATCTATT ACCACAGGGA CTCCTGAAAT CTCAACAAAG ACAAAGCCCA</u>
4501	<u>GCTCAGCCGT TCTTTCCTCC ATGACCCTAA GCAATGCAGC AACAAGTCCT</u>
4551	<u>GAAAGAGTCA GAAATGCAAC TTCCCCTCTG ACTCATCCAT CTCCATCAGG</u>
4601	<u>GGAAGAGACA GCAGGGAGTG TCCTCACTCT CAGCACCTCT GCTGAGACTA</u>
4651	<u>CAGACTCACC TAACATCCAC CCAACTGGGA CACTGACTTC AGAATCGTCA</u>
4701	<u>GAGAGTCCTA GCACTCTCAG CCTCCCAAGT GTCTCTGGAG TCAAAACCAC</u>
4751	<u>ATTTTCTTCA TCTACTCCTT CCACTCATCT ATTTACTAGT GGAGAAGAAA</u>
4801	<u>CAGAGGAAAC TTCGAATCCA TCTGTGTCTC AACCTGAGAC TTCTGTTTCC</u>
4851	<u>AGAGTAAGGA CCACCTTGGC CAGCACCTCT GTCCCTACCC CAGTATTCCC</u>
4901	<u>CACCATGGAC ACCTGGCCTA CAGGTTGAGC TCAGTTCTCT TCATCCCACC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
4951	<u>TAGTGAGTGA GCTCAGAGCT ACGAGCAGTA CCTCAGTTAC AAACTCAACT</u>
5001	<u>GGTTCAGCTC TTCCTAAAAT ATCTCACCTC ACTGGGACGG CAACAATGTC</u>
5051	<u>ACAGACCAAT AGAGACACGT TTAATGACTC TGCTGCACCC CAAAGCACAA</u>
5101	<u>CTTGGCCAGA GACTAGTCCC AGATTCAAGA CAGGGTTACC TTCAGCAACA</u>
5151	<u>ACCACTGTTT CAACCTCTGC CACTTCTCTC TCTGCTACTG TAATGGTCTC</u>
5201	<u>TAAATTCACT TCTCCAGCAA CTAGTTCCAT GGAAGCAACT TCTATCAGGG</u>
5251	<u>AACCATCAAC AACCATCCTC ACAACAGAGA CCACGAATGG CCCAGGCTCT</u>
5301	<u>ATGGCTGTGG CTTCTACCAA CATCCCAATT GGAAAGGGCT ACATTACTGA</u>
5351	<u>AGGAAGATTG GACACAAGCC ATCTGCCCAT TGGAACCACA GCTTCCTCTG</u>
5401	<u>AGACATCTAT GGATTTTACC ATGGCCAAAG AAAGTGTCTC AATGTCAGTA</u>
5451	<u>TCTCCATCTC AGTCCATGGA TGCTGCTGGC TCAAGCACTC CAGGAAGGAC</u>
5501	<u>AAGCCAATTC GTTGACACAT TTTCTGATGA TGTCTATCAT TTAACATCCA</u>
5551	<u>GAGAAATTAC AATACCTAGA GATGGAACAA GCTCAGCTCT GACTCCACAA</u>
5601	<u>ATGACTGCAA CTCACCCTCC ATCTCCTGAT CCTGGCTCTG CTAGAAGCAC</u>
5651	<u>CTGGCTTGGC ATCTTGTCCT CATCTCCTTC TTCTCCTACT CCCAAAGTCA</u>
5701	<u>CAATGAGCTC CACATTTTCA ACTCAGAGAG TCACCACAAG CATGATAATG</u>
5751	<u>GACACAGTTG AAAC TAGTCG GTGGAACATG CCCAACTTAC CTTCCACGAC</u>
5801	<u>TTCCTTGACA CCAAGTAATA TTCCAACAAG TGGTGCCATA GGAAAAAGCA</u>
5851	<u>CCCTGGTTCC CTTGGACACT CCATCTCCAG CCACATCATT GGAGGCATCA</u>
5901	<u>GAAGGGGGAC TTCCAACCCT CAGCACCTAC CCTGAATCAA CAAACACACC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
5951	<u>CAGCATCCAC CTCGGAGCAC ACGCTAGTTC AGAAAGTCCA AGCACCATCA</u>
6001	<u>AACTTACCAT GGCTTCAGTA GTAAAACCTG GCTCTTACAC ACCTCTCACC</u>
6051	<u>TTCCCCTCAA TAGAGACCCA CATTATGTA TCAACAGCCA GAATGGCTTA</u>
6101	<u>CTCTTCTGGG TCTTACCTG AGATGACAGC TCCTGGAGAG ACTAACACTG</u>
6151	<u>GTAGTACCTG GGACCCACAC ACCTACATCA CCACTACGGA TCCTAAGGAT</u>
6201	<u>ACAAGTTCAG CTCAGGTCTC TACACCCAC TCAGTGAGGA CACTCAGAAC</u>
6251	<u>CACAGAAAAC CATCCAAAGA CAGAGTCCGC CACCCAGCT GCTTACTCTG</u>
6301	<u>GAAGTCCTAA AATCTCAAGT TCACCCAATC TCACCAGTCC GGCCACAAAA</u>
6351	<u>GCATGGACCA TCACAGACAC AACTGAACAC TCCACTCAAT TACATTACAC</u>
6401	<u>AAAATTGGCA GAAAAATCAT CTGGATTGTA GACACAGTCA GCTCCAGGAC</u>
6451	<u>CTGTCTCTGT AGTAATCCCT ACCTCCCCTA CCATTGGAAG CAGCACATTG</u>
6501	<u>GAACTAACTT CTGATGTCCC AGGGGAACCC CTGGTCCTTG CTCCCAGTGA</u>
6551	<u>GCAGACCACA ATCACTCTCC CCATGGCAAC ATGGCTGAGT ACCAGTTTGA</u>
6601	<u>CAGAGGAAAT GGCTTCAACA GACCTTGATA TTTCAAGTCC AAGTTCACCC</u>
6651	<u>ATGAGTACAT TTGCTATTTT TCCACCTATG TCCACACCTT CTCATGAACT</u>
6701	<u>TTCAAAGTCA GAGGCAGATA CCAGTGCCAT TAGAAATACA GATTCAACAA</u>
6751	<u>CGTTGGATCA GCACCTAGGA ATCAGGAGTT TGGGCAGAAC TGGGGACTTA</u>
6801	<u>ACAACTGTTC CTATCACCCC ACTGACAACC ACGTGGACCA GTGTGATTGA</u>
6851	<u>AACTCAACA CAAGCACAGG ACACCCTTTC TGCAACGATG AGTCCTACTC</u>
6901	<u>ACGTGACACA GTCACTCAAA GATCAAACAT CTATACCAGC CTCAGCATCC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
6951	<u>CCTTCCCATC TTA</u> <u>CTGAAGT CTACC</u> <u>CTGAG CTCGGGACAC AAGGGAGAAG</u>
7001	<u>CTCCTCTGAG GCAACCACTT TTTGGA</u> <u>AACC ATCTACAGAC A</u> <u>CACTGTCCA</u>
7051	<u>GAGAGATTGA GACTGGCCCA ACAAACATTC AATCCACTCC</u> <u>ACCCATGGAC</u>
7101	<u>AACACAACAA CAGGGAGCAG TAGTAGTGGA GTCACCCTGG</u> <u>GCATAGCCCA</u>
7151	<u>CCTTCCCATA GGAACATCCT CCC</u> <u>CAGCTGA GACATCCACA AACATGGCAC</u>
7201	<u>TGGAAAGAAG AAGTTCTACA GCCACTGTCT</u> <u>CTATGGCTGG GACAATGGGA</u>
7251	<u>CTCCTTGTTA CTAGTGCTCC AGGAAGAAGC ATCAGCCAGT</u> <u>CATTAGGAAG</u>
7301	<u>AGTTTCCTCT GTCCTTTCTG AGTCAACTAC TGAAGGAGTC</u> <u>ACAGATTCTA</u>
7351	<u>GTAAGGGAAG CAGCCCAAGG CTGAACACAC AGGGAAATAC</u> <u>AGCTCTCTCC</u>
7401	<u>TCCTCTCTTG AACCCAGCTA TGCTGAAGGA AGCCAGATGA</u> <u>GCACAAGCAT</u>
7451	<u>CCCTCTAACC TCATCTCCTA CAACTCCTGA TGTGGAATTC</u> <u>ATAGGGGGCA</u>
7501	<u>GCACATTTTG GACCAAGGAG GTCACCACAG TTATGACCTC</u> <u>AGACATCTCC</u>
7551	<u>AAGTCTTCAG CAAGGACAGA GTCCAGCTCA GCTACCCTTA</u> <u>TGTCCACAGC</u>
7601	<u>TTTGGGAAGC ACTGAAAATA CAGGAAAAGA AAAACTCAGA</u> <u>ACTGCCTCTA</u>
7651	<u>TGGATCTTCC ATCTCCA</u> <u>ACT CCATCAATGG AGGTGACACC ATGGATTTCT</u>
7701	<u>CTCACTCTCA GTAATGCCCC CAATACCACA GATTC</u> <u>ACTTG ACCTCAGCCA</u>
7751	<u>TGGGGTGCAC ACCAGCTCTG CAGGGACTTT GGCCACTGAC</u> <u>AGGTCATTGA</u>
7801	<u>ATACTGGTGT CACTAGAGCC TCCAGATTGG AAAACGGCTC</u> <u>TGATACCTCT</u>
7851	<u>TCTAAGTCCC TGTCTATGGG AAACAGCACT CACACTTCCA</u> <u>TGACTTACAC</u>
7901	<u>AGAGAAGAGT GAAGTGTCTT CTTCAATCCA TCCCCGACCT</u> <u>GAGACCTCAG</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
7951	<u>CTCCTGGAGC AGAGACCACT TTGACTTCCA CTCCTGGAAA CAGGGCCATA</u>
8001	<u>AGCTTAACAT TGCCTTTTTC ATCCATTCCA GTGGAAGAAG TCATTCTCTAC</u>
8051	<u>AGGCATAACC TCAGGACCAG ACATCAACTC AGCACCCATG ACACATTCTC</u>
8101	<u>CCATCACCCC ACCAACAATT GTATGGACCA GTACAGGCAC AATTGAACAG</u>
8151	<u>TCCACTCAAC CACTACATGC AGTTTCTTCA GAAAAAGTTT CTGTGCAGAC</u>
8201	<u>ACAGTCAACT CCATATGTCA ACTCTGTGGC AGTGTCTGCT TCCCCTACCC</u>
8251	<u>ATGAGAATTC AGTCTCTTCT GGAAGCAGCA CATCCTCTCC ATATTCCTCA</u>
8301	<u>GCCTCACTTG AATCCTTGGA TTCCACAATC AGTAGGAGGA ATGCAATCAC</u>
8351	<u>TTCCTGGCTA TGGGACCTCA CTACATCTCT CCCCCTACA ACTTGGCCAA</u>
8401	<u>GTACTAGTTT ATCTGAGGCA CTGTCCTCAG GCCATTCTGG GGTTCAAAC</u>
8451	<u>CCAAGTTCAA CTACGACTGA ATTTCCACTC TTTTCAGCTG CATCCACATC</u>
8501	<u>TGCTGCTAAG CAAAGAAATC CAGAAACAGA GACCCATGGT CCCCAGAATA</u>
8551	<u>CAGCCGCGAG TACTTTGAAC ACTGATGCAT CCTCGGTCAC AGGTCTTTCT</u>
8601	<u>GAGACTCCTG TGGGGGCAAG TATCAGCTCT GAAGTCCCTC TTCCAATGGC</u>
8651	<u>CATAACTTCT AGATCAGATG TTTCTGGCCT TACATCTGAG AGTACTGCTA</u>
8701	<u>ACCCGAGTTT AGGCACAGCC TCTTCAGCAG GGACCAAATT AACTAGGACA</u>
8751	<u>ATATCCCTGC CCACTTCAGA GTCTTTGGTT TCCTTTAGAA TGAACAAGGA</u>
8801	<u>TCCATGGACA GTGTCAATCC CTTTGGGGTC CCATCCAAC ACTAATACAG</u>
8851	<u>AAACAAGCAT CCCAGTAAAC AGCGCAGGTC CACCTGGCTT GTCCACAGTA</u>
8901	<u>GCATCAGATG TAATTGACAC ACCTTCAGAT GGGGCTGAGA GTATTCCCAC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
8951	<u>TGTCTCCTTT TCCCCCTCCC CTGATACTGA AGTGACAACT ATCTCACATT</u>
9001	<u>TCCCAGAAAA GACAACTCAT TCATTTAGAA CCATTTTCATC TCTCACTCAT</u>
9051	<u>GAGTTGACTT CAAGAGTGAC ACCTATTCCT GGGGATTGGA TGAGTTCAGC</u>
9101	<u>TATGTCTACA AAGCCCACAG GAGCCAGTCC CTCCATTACA CTGGGAGAGA</u>
9151	<u>GAAGGACAAT CACCTCTGCT GCTCCAACCA CTTCCCCCAT AGTTCTCACT</u>
9201	<u>GCTAGTTTCA CAGAGACCAG CACAGTTTCA CTGGATAATG AACTACAGT</u>
9251	<u>AAAAACCTCA GATATCCTTG ACGCACGGAA AACAAATGAG CTCCCCTCAG</u>
9301	<u>ATAGCAGTTC TTCTTCTGAT CTGATCAACA CCTCCATAGC TTCTTCAACT</u>
9351	<u>ATGGATGTCA CTAAAACAGC CTCCATCAGT CCCACTAGCA TCTCAGGAAT</u>
9401	<u>GACAGCAAGT TCCTCCCCAT CTCTCTTCTC TTCAGATAGA CCCCAGGTTC</u>
9451	<u>CCACATCTAC AACAGAGACA AATACAGCCA CCTCTCCATC TGTTTCCAGT</u>
9501	<u>AACACCTATT CTCTTGATGG GGGCTCCAAT GTGGGTGGCA CTCCATCCAC</u>
9551	<u>TTTACCACCC TTTACAATCA CCCACCCTGT CGAGACAAGC TCGGCCCTAT</u>
9601	<u>TAGCCTGGTC TAGACCAGTA AGAACTTTCA GCACCATGGT CAGCACTGAC</u>
9651	<u>ACTGCCTCCG GAGAAAATCC TACCTCTAGC AATTCTGTGG TGA CTTCTGT</u>
9701	<u>TCCAGCACCA GGTACATGGA CCAGTG TAGG CAGTACTACT GACTTACCTG</u>
9751	<u>CCATGGGCTT TCTCAAGACA AGTCCTGCAG GAGAGGCACA CTC ACTTCTA</u>
9801	<u>GCATCAACTA TTGAACCAGC CACTGCCTTC ACTCCCCATC TCTCAGCAGC</u>
9851	<u>AGTGGTCACT GGATCCAGTG CTACATCAGA AGCCAGTCTT CTC ACTACGA</u>
9901	<u>GTGAAAGCAA AGCCATTCAT TCTTACCAC AGACCCCAAC TACACCCACC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
9951	<u>TCTGGAGCAA ACTGGGAAAC TTCAGCTACT CCTGAGAGCC TTTTGGTAGT</u>
10001	<u>CACTGAGACT TCAGACACAA CACTTACCTC AAAGATTTTG GTCACAGATA</u>
10051	<u>CCATCTTGTT TTCAACTGTG TCCACGCCAC CTTCTAAATT TCCAAGTACG</u>
10101	<u>GGGACTCTGT CTGGAGCTTC CTTCCCTACT TTA CTCCC GG ACACTCCAGC</u>
10151	<u>CATCCCTCTC ACTGCCACTG AGCCAACAAG TTCATTAGCT ACATCCTTTG</u>
10201	<u>ATTCCACCCC ACTGGTGACT ATAGCTTCGG ATAGTCTTGG CACAGTCCCA</u>
10251	<u>GAGACTACCC TGACCATGTC AGAGACCTCA AATGGTGATG CACTGGTTCT</u>
10301	<u>TAAGACAGTA AGTAACCCAG ATAGGAGCAT CCCTGGAATC ACTATCCAAG</u>
10351	<u>GAGTAACAGA AAGTCCACTC CATCCTTCTT CCACTTCCCC CTCTAAGATT</u>
10401	<u>GTTGCTCCAC GGAATACAAC CTATGAAGGT TCGATCACAG TGGCACTTTC</u>
10451	<u>TACTTTGCCT GCGGGA ACTA CTGGTTCCCT TGTATTCAGT CAGAGTTCTG</u>
10501	<u>AAA ACTCAGA GACAACGGCT TTGGTAGACT CATCAGCTGG GCTTGAGAGG</u>
10551	<u>GCATCTGTGA TGCCACTAAC CACAGGAAGC CAGGGTATGG CTAGCTCTGG</u>
10601	<u>AGGAATCAGA AGTGGGTCCA CTC ACTCAAC TGGAACCAA ACATTTTCTT</u>
10651	<u>CTCTCCCTCT GACCATGAAC CCAGGTGAGG TTACAGCCAT GTCTGAAATC</u>
10701	<u>ACCACGAACA GACTGACAGC TACTCAATCA ACAGCACCCA AAGGGATACC</u>
10751	<u>TGTGAAGCCC ACCAGTGCTG AGTCAGGCCT CCTAACACCT GTCTCTGCCT</u>
10801	<u>CCTCAAGCCC ATCAAAGGCC TTG CCTCAC TGA CTACAGC TCCCCCACT</u>
10851	<u>TGGGGGATCC CACAGTCTAC CTTGACATT GAGTTTCTG AGGTCCCAAG</u>
10901	<u>TTTGGATACT AAGTCCGCTT CTTTACCAAC TCCTGGACAG TCCCTGAACA</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
10951	<u>CCATTCCAGA CTCAGATGCA AGCACAGCAT CTTCTCACT GTCCAAGTCT</u>
11001	<u>CCAGAAAAAA ACCCAAGGGC AAGGATGATG ACTTCCACAA AGGCCATAAG</u>
11051	<u>TGCAAGCTCA TTTCAATCAA CAGGTTTTAC TGAAACCCCT GAGGGATCTG</u>
11101	<u>CCTCCCCTTC TATGGCAGGG CATGAACCCA GAGTCCCAC TTCAGGAACA</u>
11151	<u>GGGGACCCTA GATATGCCTC AGAGAGCATG TCTTATCCAG ACCCAAGCAA</u>
11201	<u>GGCATCATCA GCTATGACAT CGACCTCTCT TGCATCAAAA CTCACAATC</u>
11251	<u>TCTTCAGCAC AGGTCAAGCA GCAAGGTCTG GTTCTAGTTC CTCTCCCATA</u>
11301	<u>AGCCTATCCA CTGAGAAAGA AACAAGCTTC CTTTCCCCCA CTGCATCCAC</u>
11351	<u>CTCCAGAAAG ACTTCACTAT TTCTTGGGCC TTCCATGGCA AGGCAGCCCA</u>
11401	ACATATTGGT GCATCTTCAG ACTTCAGCTC TGACACTTTC TCCAACATCC
11451	<u>ACTCTAAATA TGTCCCAGGA GGAGCCTCCT GAGTTAACCT CAAGCCAGAC</u>
11501	<u>CATTGCAGAA GAAGAGGGAA CAACAGCTGA AACACAGACG TTAACCTTCA</u>
11551	<u>CACCATCTGA GACCCCAACA TCCTTGTTAC CTGTCTCTTC TCCCACAGAA</u>
11601	<u>CCCACAGCCA GAAGAAAGAG TTCTCCAGAA ACATGGGCAA GCTCTATTTT</u>
11651	<u>AGTTCCTGCC AAGACCTCCT TGGTTGAAAG TAAGAATGCC CTGCTCCTTC</u>
11701	CCCAAGTGTG CTGGGGATGA ATCTGGAAAT AAACATACATC TTTTTTATTT
11751	TTTAACTTT TATATTTGAA AATATAAATA TTTTAGGTTC AGGGAACATG
11801	TGCAGGTTTG TTATATAGGT AAATTGCATG TCATGGGGGC TTGGGGTACA
11851	GATTACATCA TCAGCCAGGT AATAAGCCTA GTACCTGATC AGTAGATTTT
11901	TTTTAATCCT CTCCCTCCTC CCAGCCTCCA CCCTCAATTC ACATGTCTCC

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
11951	ATGTGTACTC	AAGGTTTAAT	TCCCACCTAT	GAGTGAGAAC	ATGCGGTATT
12001	TGTAAACTAC	ATCTTTATTT	TTGCTAACCT	CGAACTGAAA	TTTAGCATTT
12051	GTTTTATTGA	TGAATAGAGG	TAACAAAACA	AACCACATTA	ATCCTAGCAG
12101	TGCCTGTGCC	TTTGCCAACA	ACAGAAATTC	CGGACACTTT	CATATCCTAT
12151	GACAATTGTT	GCAAGCACTT	TTAAAAATCA	TGTACGACTT	TATTCATAAT
12201	TATAGTGGTT	ATTAGGCTTT	TCAATAGATC	TTATTTAATG	AGTTAGTAAA
12251	ATAAGTGCCT	GTATTATTGT	ATTACATTTG	TTTATTAAGA	TCTTGATAAC
12301	AACATTTCAA	TATAATCATT	TCCTTTGTTT	TTTAAATTTT	AGATTCAGGG
12351	GTATATGTGC	AGGTTTGTTA	CGTGGATATA	CTGCATAATG	ATGAGGTTTG
12401	GCTTCTAGTG	AACCCATCAG	CCAAATAGTG	AATGTTGTGC	CCAATAAGTA
12451	GTTTTTCAAT	CCTCACTTCA	CTCCCAGCCT	CCTCTATTTT	GGAGTCCCAG
12501	TGTCTATTAT	TTCTATCTTT	ATGTCCACAT	GTACCCATTG	GTTAGCTCCC
12551	ACTTATAAGT	GAGAATGTGC	AGTATTTAAT	TTTCTGTTTT	TGAGTTATTT
12601	TGCTTAGGTT	GATGGCCTTC	AGCTCCAGCC	ACGTTGCTTT	AAAGAACATG
12651	ATTTCAATTCT	TTTTTATGGC	TGCATAGTAC	TCCGAGGTGT	ATGTGTACCA
12701	GATTTTCTTT	ATCCACAATG	ATTTCCTTTG	TAATCTAATA	TTTTTATATTG
12751	TTATTTTATG	TTTTATTCTA	TATTTTATT	TTAATTTATA	AAGGAATTCA
12801	TATGGTTCAC	AAGCCTGTCA	AAGGGACCTA	TAATAAAAAG	AGGTTAAGAA
12851	TCCATGCTCT	AAACAGAATA	TTACTCCATT	TTATTTCAAT	TATTTTTAAA
12901	GAGACAGTCT	CACTCTGTCA	TCCAGGCTGG	AGTACAGTGG	AGTGATCATA

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence
(SEQ ID NO: 1)

12951 GCTCATTGCA ACCCTGAACT CTTGGGCACA AGCAATTCTC CTGCTTCATC
13001 CTCCAGAGGA GCTGGGACTA CAGGTGCACA TCACCATGCC CAGCTAGTTT
13051 TAAAAATTAT TTTGTAGAGA TGGTGTCTCA CTATCCTACC CAGGCTGGTC
13101 TCAAACCTCT GGGCTCAGGC AATCCTCCCA CTTTGACCTC CCAAAGTGTT
13151 GAGATTACAG GGGCAAGCCA CTGTGCCTGG CCACTTGTCA CATTTTAATT
13201 TGTGATTACT TATAAAATGA ACCCCTTCCC ATCTGAGATC TGTCAGTCTT
13251 TCTGGTGACG GTGCCTGGTG TCTGCTTTCT ACCATGTCCT GTTAGACTAG
13301 TGTTTGATGG GAGGTCACCT GGGCAGCTGT CCAGCTCACT CACTGGGCTC
13351 TAGAGCCTCT GAGTTGAAGC AAAATAGAAA GATCAGTCAA TGTAAGAAA
13401 GCTCAAAAAC TGACATTCTG AAGTAATGGA TAGCTAAACC TTCCTATTGC

Exon 2

13451 CCTTTTCTTT CAGCAACTGA TGGAACGCTA GTGACCACCA TAAAGATGTC
13501 AAGCCAGGCA GCACAAGGAA ATTCCACGTG GCCTGCCCCA GCAGAGGAGA
13551 CGGGGACCAG TCCAGCAGGT AAATATAGAC CTTGTTTCCA TTTCTGCTCT
13601 GCTAATGCCA CCCAAGCCTT TCTTTTCTTT TCTTTTCTTT TCTTTTCTTT
13651 TCTTTTCTTT TCTTTTCTTT CTCTCCCTTT CTTTCTTTCT TTCTTTCTTT
13701 CTTTCTTTCT TTCTTTCTTT CTTTCTTTCT CTTTCTTTCT TTCTTTCTTT
13751 CTTTCTTTCT TTCTTTCTTT CTTTCTTTCT CTTTCTTTCT TCTTTCTCTC
13801 TCTCTCTTTC TTTCTTTCTC TTGTTCTTTT TAAATTTTTT ATTTTTTTAC
13851 TTAATTTTTT TCACCCAAGC CTTAAGGCCA GTTTGGACCA GATAGTGAGA

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
13901	CCCCACCTCT	ATAAAAAAAAA	TTTTTAAAAA	AAAAATAAGT	TGGGCATCGT
13951	GCAGGCCTGT	AGTCCCTGCT	ACTCGAGAGG	CCAAGGTGGG	AGGACAGCTT
14001	GCTGCTGACT	AAAAGTGCTG	CTTATTGATT	CTGGGAAGAA	AAAATATACA
14051	AGGCTTCAGT	TTCATTATTT	TATAAGTAAA	TGCTAGCAAC	TTTTCCTTTC
14101	TTTCTCTCTT	TCTCTCTTCC	TCTCTTTCTC	TCCTCTCCTT	CTCTTCTCTC
14151	TCTCTCTCTC	TCTCTCTCTC	TTTCTCTCTC	CTCTCCTTCT	CTTCTCTTCT
14201	TTCTCTCTCT	CTCTCTTTCA	TTTATTTTGT	AGACATGGTC	TCATTCTGTC
14251	ACCCAGGCTG	GAGTACAGTG	GTGTATATTT	ACTGCAGTAC	TCACTGTACT
14301	CACTGCAGCC	TCAAATTCCT	GGGCTCAAGC	TATCCTCTCA	CCTCAGCCTC
14351	CTGAGTAGCT	GGGCAGCAGT	CCAGCTCACT	CACTGGGCTC	TAGAGCCTCT
14401	GTGCTATGCC	CAGCTTATTG	TTGTTGTTTT	TTTAAATTTT	TTTTTTTGTA
14451	CAGATGGGGT	CTCACTATGT	GGCCCAAGGT	GGTCTTAAAC	TCCTGGCTCC
14501	AAGAGATCCT	CCCACCTCAG	CCTCCCAAAG	TGCAGGGATT	ACAGGTGTGA
14551	GCCACTGTGC	CCAGCCTAGA	CAGCATTTTT	TTTTTTTGAA	ACAGGGTCTC
14601	CCTCTGTTGC	CCAGGCTGGA	GTGCAATGGC	GTGTTCATGG	TTCACTGCAG
14651	CCTCAGCCTC	CTCAGTCTCA	AGCAATCCTC	CAACTTCAGC	CTCCCCAAC
14701	AGCTAGAACT	GCAGGTGATC	ATCACCAATT	AGCCTGGTTA	ATTGTGTGTG
14751	TATTTCTTAA	ATTTTTTGTA	GAGATAGTTC	TCACTATATT	GCTTGGGCTG
14801	GTCTCAAAC	CCTGGACTCA	AGTGATTCAC	CTACCTCGGC	CTCCCTAAGC
14851	ACTGGGATTA	CAGGCTTGAG	CCACCACACC	CGGCAAGGAC	TAGGTTTTAA

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
14901	AATAGGTTCC	TAGGCTGGGT	GTGGTGGCTT	ACGCCCCGTAA	TCCCAGCACT
14951	TTGGGAGGCT	GAGGTGGGCG	GATCACGAGG	TCAGGAGTTT	GAGACCAGCC
15001	TGGCCAACAT	AGTGAAACCC	TGTCTCTACT	AAAAATACAA	AAAATTAGCT
15051	GGGCATAGTG	GCACACACCT	GTAATCCCAG	CTACTCGGGA	GGCTGAGGAA
15101	GGAGAATCAC	TTGAACCTGG	GAGGCGGAGG	TTGCAGTGAG	CCGAGATCAT
15151	GCCATTGCTC	TCCAGCCTGG	GTGACAGAGC	AAGACTCCAT	CTAAAAAAAA
15201	AAAAAAAAAGT	TCCTTTGACT	TCTTGACACT	CTTCTCTGAG	GATATTGATC
15251	ATTTTTCCCC	AATAGATGTT	ACTAATTGAA	CACTTCTGTT	GCTTCAACTT
15301	ACTAATTTAC	ATGATCAATA	GCCAATTAAT	TCAGCAGGAG	AGAATGCTAC
15351	AGAGTCGATT	CTTTCTGTAC	TTTCTTCTGC	TCCAGAGTGA	AGGATCTTTC
15401	TAAATCAGAG	ACCATCACTG	TGTTACACAGG	GAGGGCCTAG	GTGAACCTGA
15451	GATGGCAAAT	GTTGCGTTTG	TTCTACGGAA	GAAGGGATTA	TGGGTTGAAG
15501	TCCTTGGCAG	TGCCAAATTG	CTTAGAAAAA	TGTGAAATAT	GGTCCCTAGG
15551	AGTGCTCTTG	GGATGTCACA	TTTTTCTCAC	TCCTTTGACA	GGTAGATGTT
15601	ATTTTCCTGA	AGGCCAGGGA	AAGGATTCAG	AGGGAGGAAT	GAATTTGAAA
15651	GAAAATGAAG	GTGACGAGAA	AGAATGAGCT	CATCTCCCTT	ATCCTCTTTC
15701	TTCTCAAATC	CTTAAGTAGC	TTTGCAGTGA	ACTAAGATTT	GGGGGAACCT
15751	AGAGGAGGCT	GAAAGTTGGA	AGCTGAAATT	GGCTTAGCAA	GGGCAAGCTC
15801	CAAAGACAAA	AGTGGAATA	GTTTGGGGGT	AGCCTTTTGC	ATGGGTGAAA
15851	TCCTGGTTCA	TCACATCCTC	CCTTATGCAA	AGAGCCCTTT	TATATGGGGC

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
15901	ATGGGGAAAA	ACTGAGCTAA	AGGTGATAAT	TTCTCCTGAG	CAAGCCAGAT
15951	GGTCAAAGCT	CTAACTTCAC	CATCTCCCTT	GGAATGTTTA	ATGTGTTCCC
16001	TGGTGTCCAG	AGGCTTAACG	TGTGAGAATT	AAAAGCTCAA	CATTTTCTTT
16051	CCCAGGGAAG	GAGGAAATAG	TTTTAATTGA	AATCCCGGGA	GGAAATGAAT
16101	GATAGTGTCA	AACCAAAAAA	CTTCATCTTC	TGTACCACTT	GCATATACTC
Exon 3					
16151	CACTGACTTA	CTTTCTAATC	ACAGGCACAT	CCCCAGGAAG	CCCAGAAATG
16201	TCTACCACTC	TCAAAATCAT	GAGCTCCAAG	GAACCCGGCA	TCAGCCCAGA
16251	GATCAGGTCC	ACTGTGAGAA	ATTCTCCTTG	GAAGACTCCA	GAAACAAC TG
16301	TTCCCATGGA	GACCACAGTG	GAACCACTCA	CCCTTCAGTC	CACAGCCCTA
16351	GGAAGTGGCA	GCACCAGCAT	CTCTCACCTG	CCCACAGGAA	CCACATCACC
16401	AACCAAGTCA	CCAACAGAAA	ATATGTTGGC	TACAGAAAGG	GTCTCCCTCT
16451	CCCCATCCCC	ACCTGAGGCT	TGGACCAACC	TTTATTCTGG	AACTCCAGGA
16501	GGGACCAGGC	AGTCACTGGC	CACAATGTCC	TCTGTCTCCC	TAGAGTCACC
16551	AACTGCTAGA	AGCATCACAG	GGAAGTGTCA	GCAAAGCAGT	CCAGAACTGG
16601	TTTTAAAGAC	AACTGGAATG	GAATTCTCTA	TGTGGCATGG	CTCTACTGGA
16651	GGGACCACAG	GGGACACACA	TGTCTCTCTG	AGCACATCTT	CCAATATCCT
16701	TGAAGACCCT	GTAACCAGCC	CAAACTCTGT	GAGCTCAT TG	ACAGATAAAT
16751	CCAAACATAA	AACCGAGACA	TGGGTCAGCA	CCACAGCCAT	TCCCTCCACT
16801	GTCCTGAATA	ATAAGATAAT	GGCAGCTGAA	CAACAGACAA	GTCGATCTGT

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
16851	<u>GGATGAGGCT TATTCATCAA CTAGTTCTTG GTCAGATCAG ACATCTGGGA</u>
16901	<u>GTGACATCAC CCTTGGTGCA TCTCCTGATG TCACAAACAC ATTATACATC</u>
16951	<u>ACCTCCACAG CACAAACCAC CTCACTAGTA TCTCTGCCCT CTGGAGACCA</u>
17001	<u>AGGCATTACA AGCCTCACCA ATCCCTCAGG AGGAAAAACA AGCTCTGCAT</u>
17051	<u>CATCTGTCAC ATCTCCTTCA ATAGGGCTTG AGACTCTGAT GGCCAATGTA</u>
17101	<u>AGTGCAGTGA CAAGTGACAT TGCCCCTACT GCTGGGCATC TATCTCAGAC</u>
17151	<u>TTCATCTCCT GCGGAAGTGA GCATCCTGGA CATAACCACA GCTCCTACTC</u>
17201	<u>CAGGTATCTC CACCACCATC ACCACCATGG GAACCAACTC AATCTCAACT</u>
17251	<u>ACCACACCCA ACCCAGAAGT GGGTATGAGT ACCATGGACA GCACCCCGGC</u>
17301	<u>CACAGAGAGG CACACAACCTT CTACAGAACA CCCTTCCACC TGGTCTTCCA</u>
17351	<u>CAGCTGCATC AGATTCTCTGG ACTGTCACAG ACATGACTTC AAACTTGAAA</u>
17401	<u>GTTGCAAGAT CTCCTGGAAC AATTTCACACA ATGCATACAA CTTCAATTCTT</u>
17451	<u>AGCCTCAAGC ACTGAATTAG ACTCCATGTC TACTCCCCAT GGCCGTATAA</u>
17501	<u>CTGTCATTGG AACCAGCCTG GTCACTCCAT CCTCTGATGC TTCAGCTGTA</u>
17551	<u>AAGACAGAGA CCAGTACAAG TGAAAGAACA TTGAGTCCTT CAGACACAAC</u>
17601	<u>TGCATCTACT CCCATCTCAA CTTTTTCTCG TGTCCAGAGG ATGAGCATCT</u>
17651	<u>CAGTTCCTGA CATTTTAAGT ACAAGTTGGA CTCCCAGTAG TACAGAAGCA</u>
17701	<u>GAAGATGTGC CTGTTTCAAT GGTTTCTACA GATCATGCTA GTACAAAGAC</u>
17751	<u>TGACCCAAAT ATGCCCCTGT CCACTTTTCT GTTTGATTCT CTGTCCACTC</u>
17801	<u>TTGACTGGGA CACTGGGAGA TCTCTGTCAT CAGCCACAGC CACTACCTCA</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
17851	<u>GCTCCTCAGG GGGCCACAAC TCCCCAAGAA CTCACTTTGG AAACCATGAT</u>
17901	<u>CAGCCCAGCT ACCTCACAGT TGCCCTTCTC TATAGGGCAC ATTACAAGTG</u>
17951	<u>CAGTCATACC AGCTGCAATG GCAAGGAGCT CTGGAGTTAC TTTTCAAGA</u>
18001	<u>CCAGATCCCA CAAGCAAAAA GGCAGAGCAG ACTTCCACTC AGCTTCCCAC</u>
18051	<u>CACCACTTCT GCACATCCAG AGCAGGTGCC CAGATCAGCA GCAACAACCTC</u>
18101	<u>TGGATGTGAT CCCACACACA GCAAAAACTC CAGATGCAAC TTTTCAGAGA</u>
18151	<u>CAAGGGCAGA CAGCTCTTAC AACAGAGGCA AGAGCTACAT CTGACTCCTG</u>
18201	<u>GAATGAGAAA GAAAAATCAA CCCCAAGTGC ACCTTGGATC ACTGAGATGA</u>
18251	<u>TGAATTCTGT CTCAGAAGAT ACCATCAAGG AGGTTACCAG CTCCTCCAGT</u>
18301	<u>GTGTTAAGGA CCCTGAATAC GCTGGACATA AACTTGGAAT CTGGGACGAC</u>
18351	<u>TTCATCCCCA AGTTGGAAAA GCAGCCCATA TGAGAGAATT GCCCCTTCTG</u>
18401	<u>AGTCTACCAC AGACAAAGAG GCAATTCACC CTTCTACAAA CACAGTAGAG</u>
18451	<u>ACCACTGGCT GGGTCACAAG TTCCGAACAT GCTTCTCATT CCACTATCCC</u>
18501	<u>AGCCCACTCA GCGTCATCCA AACTCACATC TCCAGTGGTT ACAACCTCCA</u>
18551	<u>CCAGGGAACA AGCAATAGTT TCTATGTCAA CAACCACATG GCCAGAGTCT</u>
18601	<u>ACAAGGGCTA GAACAGAGCC TAATTCCTTC TTGACTATTG AACTGAGGGA</u>
18651	<u>CGTCAGCCCT TACATGGACA CCAGCTCAAC CACACAAACA AGTTTTATCT</u>
18701	<u>CTTCCCCAGG TTCCACTGCG ATCACCAAGG GGCCTAGAAC AGAAATTACC</u>
18751	<u>TCCTCTAAGA GAATATCCAG CTCATTCCTT GCCCAGTCTA TGAGGTCGTC</u>
18801	<u>AGACAGCCCC TCAGAAGCCA TCTCCAGGCT GTCTAACTTT CCTGCCATGA</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
18851	<u>CAGAATCTGG AGGAATGATC CTTGCTATGC AAACAAGTCC ACCTGGCGCT</u>
18901	<u>ACATCACTAA GTGCACCTAC TTTGGATACA TCAGCCACAG CCTCCTGGAC</u>
18951	<u>AGGGACTCCA CTGGCTACGA CTCAGAGATT TACATACTCA GAGAAGACCA</u>
19001	<u>CTCTCTTTAG CAAAGGTCCT GAGGATACAT CACAGCCAAG CCCTCCCTCT</u>
19051	<u>GTGGAAGAAA CCAGCTCTTC CTCTTCCCTG GTACCTATCA ATGCTACAAC</u>
19101	<u>CTCGCCTTCC AATATTTTGT TGACATCACA AGGGCACAGT CCCTCCTCTA</u>
19151	<u>CTCCACCTGT GACCTCAGTT TTCTTGTCTG AGACCTCTGG CCTGGGGAAG</u>
19201	<u>ACCACAGACA TGTCGAGGAT AAGCTTGGAA CCTGGCACAA GTTTACCTCC</u>
19251	<u>CAATTTGAGC AGTACAGCAG GTGAGGCGTT ATCCACTTAT GAAGCCTCCA</u>
19301	<u>GAGATACAAA GGCAATTCAT CATTCTGCAG ACACAGCAGT GACGAATATG</u>
19351	<u>GAGGCAACCA GTTCTGAATA TTCTCCTATC CCAGGCCATA CAAAGCCATC</u>
19401	<u>CAAAGCCACA TCTCCATTGG TTACCTCCCA CATCATGGGG GACATCACTT</u>
19451	<u>CTTCCACATC AGTATTTGGC TCCTCCGAGA CCACAGAGAT TGAGACAGTG,</u>
19501	<u>TCCTCTGTGA ACCAGGGACT TCAGGAGAGA AGCACATCCC AGGTGGCCAG</u>
19551	<u>CTCTGCTACA GAGACAAGCA CTGTCATTAC CCATGTGTCT AGTGGTGATG</u>
19601	<u>CTACTACTCA TGTCACCAAG ACACAAGCCA CTTTCTCTAG CGGAACATCC</u>
19651	<u>ATCTCAAGCC CTCATCAGTT TATAACTTCT ACCAACACAT TTACAGATGT</u>
19701	<u>GAGCACCAAC CCCTCCACCT CTCTGATAAT GACAGAATCT TCAGGAGTGA</u>
19751	<u>CCATCACCAC CCAAACAGGT CCTACTGGAG CTGCAACACA GGGTCCATAT</u>
19801	<u>CTCTTGGA CAATCAACCAT GCCTTACTTG ACAGAGACTC CATTAGCTGT</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
19851	<u>GACTCCAGAT TTTATGCAAT CAGAGAAGAC CACTCTCATA AGCAAAGGTC</u>
19901	<u>CCAAGGATGT GTCCTGGACA AGCCCTCCCT CTGTGGCAGA AACCAGCTAT</u>
19951	<u>CCCTCTTCCC TGACACCTTT CTTGGTCACA ACCATACCTC CTGCCACTTC</u>
20001	<u>CACGTTACAA GGGCAACATA CATCCTCTCC TGTTTCTGCG ACTTCAGTTC</u>
20051	<u>TTACCTCTGG ACTGGTGAAG ACCACAGATA TGTTGAACAC AAGCATGGAA</u>
20101	<u>CCTGTGACCA ATTCACCTCA AAATTTGAAC AATCCATCAA ATGAGATACT</u>
20151	<u>GGCCACTTTG GCAGCCACCA CAGATATAGA GACTATTCAT CCTTCCATAA</u>
20201	<u>ACAAAGCAGT GACCAATATG GGGACTGCCA GTTCAGCACA TGTACTGCAT</u>
20251	<u>TCCACTCTCC CAGTCAGCTC AGAACCATCT ACAGCCACAT CTCCAATGGT</u>
20301	<u>TCCTGCCTCC AGCATGGGGG ACGCTCTTGC TTCTATATCA ATACCTGGTT</u>
20351	<u>CTGAGACCAC AGACATTGAG GGAGAGCCAA CATCCTCCCT GACTGCTGGA</u>
20401	<u>CGAAAAGAGA ACAGCACCCT CCAGGAGATG AACTCAACTA CAGAGTCAAA</u>
20451	<u>CATCATCCTC TCCAATGTGT CTGTGGGGGC TATTACTGAA GCCACAAAAA</u>
20501	<u>TGGAAGTCCC CTCTTTTGAT GCAACATTCA TACCAACTCC TGCTCAGTCA</u>
20551	<u>ACAAAGTTCC CAGATATTTT CTCAGTAGCC AGCAGTAGAC TTTCAAACCTC</u>
20601	<u>TCCTCCCATG ACAATATCTA CCCACATGAC CACCACCCAG ACAGGGTCTT</u>
20651	<u>CTGGAGCTAC ATCAAAGATT CCACTTGCCT TAGACACATC AACCTTGGA</u>
20701	<u>ACCTCAGCAG GGACTCCATC AGTGGTGA CTGAGGGTTTG CCCACTCAAA</u>
20751	<u>AATAACCACT GCAATGAACA ATGATGTCAA GGACGTGTCA CAGACAAACC</u>
20801	<u>CTCCCTTTCA GGATGAAGCC AGCTCTCCCT CTTCTCAAGC ACCTGTCCTT</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
20851	<u>GTCACAACCT TACCTTCTTC TGTTGCTTTC ACACCGCAAT GGCACAGTAC</u>
20901	<u>CTCCTCTCCT GTTTCTATGT CCTCAGTTCT TACTTCTTCA CTGGTAAAGA</u>
20951	<u>CCGCAGGCAA GGTGGATACA AGCTTAGAAA CAGTGACCAG TTCACCTCAA</u>
21051	<u>AGATATAGAG ACAACGCATC CTTCCATAAA CACAGTAGTT ACCAATGTGG</u>
21101	<u>GGACCACCGG TTCAGCATTT GAATCACATT CTACTGTCTC AGCTTACCCA</u>
21151	<u>GAGCCATCTA AAGTCACATC TCCAAATGTT ACCACCTCCA CCATGGAAGA</u>
21201	<u>CACCACAATT TCCAGATCAA TACCTAAATC CTCTAAGACT ACAAGAACTG</u>
21251	<u>AGACTGAGAC AACTTCCTCC CTGACTCCTA AACTGAGGGA GACCAGCGTC</u>
21301	<u>TCCCAGGAGA TCACCTCGTC CACAGAGACA AGCACTGTTC CTTACAAAGA</u>
21351	<u>GCTCACTGGT GCCACTACCG AGGTATCCAG GACAGATGTC ACTTCCTCTA</u>
21401	<u>GCAGTACATC CTTCCCTGGC CCTGATCAGT CCACAGTGTC ACTAGACATC</u>
21451	<u>TCCACAGAAA CCAACACCAG GCTGTCTACC TCCCCAATAA TGACAGAATC</u>
21501	<u>TGCAGAAATA ACCATCACCA CCCAAACAGG TCCTCATGGG GCTACATCAC</u>
21551	<u>AGGATACTTT TACCATGGAC CCATCAAATA CAACCCCCCA GGCAGGGATC</u>
21601	<u>CACTCAGCTA TGA CT CATGG ATTTTCACAA TTGGATGTGA CCACTCTTAT</u>
21651	<u>GAGCAGAATT CCACAGGATG TATCATGGAC AAGTCCTCCC TCTGTGGATA</u>
21701	<u>AAACCAGCTC CCCCTCTTCC TTTCTGCCCT CACCTGCAAT GACCACACCT</u>
21751	<u>TCCCTGATTT CTTCTACCTT ACCAGAGGAT AAGCTCTCCT CTCCTATGAC</u>
21801	<u>TTCACTTCTC ACCTCTGGCC TAGTGAAGAT TACAGACATA TTACGTACAC</u>
21851	<u>GCTTGGAACC TGTGACCAGC TCACTTCCAA ATTTCAGCAG CACCTCAGAT</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
21901	<u>AAGATACTGG CCACTTCTAA AGACAGTAAA GACACAAAGG AAATTTTTC</u>
21951	<u>TTCTATAAAC ACAGAAGAGA CCAATGTGAA AGCCAACAAC TCTGGACATG</u>
22001	<u>AATCCCATTC CCCTGCACTG GCTGACTCAG AGACACCCAA AGCCACAAC</u>
22051	<u>CAAATGGTTA TCACCACCAC TGTGGGAGAT CCAGCTCCTT CCACATCAAT</u>
22101	<u>GCCAGTGCAT GGTTCCCTCTG AGACTACAAA CATTAAGAGA GAGCCAACAT</u>
22151	<u>ATTTCTTGAC TCCTAGACTG AGAGAGACCA GTACCTCTCA GGAGTCCAGC</u>
22201	<u>TTTCCCACGG ACACAAGTTT TCTACTTTCC AAAGTCCCCA CTGGTACTAT</u>
22251	<u>TACTGAGGTC TCCAGTACAG GGGTCATCTC TTCTAGCAAA ATTTCCACCC</u>
22301	<u>CAGACCATGA TAAGTCCACA GTGCCACCTG ACACCTTCAC AGGAGAGATC</u>
22351	<u>CCCAGGGTCT TCACCTCCTC TATTAAGACA AAATCTGCAG AAATGACGAT</u>
22401	<u>CACCACCCAA GCAAGTCCTC CTGAGTCTGC ATCGCACAGT ACCCTTCCCT</u>
22451	<u>TGGACACATC AACCACACTT TCCCAGGGAG GGACTCATTC AACTGTGACT</u>
22501	<u>CAGGGATTCC CATACTCAGA GGTGACCACT CTCATGGGCA TGGGTCCTGG</u>
22551	<u>GAATGTGTCA TGGATGACAA CTCCCCCTGT GGAAGAAACC AGCTCTGTGT</u>
22601	<u>CTTCCCTGAT GTCTTCACCT GCCATGACAT CCCCTTCTCC TGTTTCCTCC</u>
22651	<u>ACATCACCAC AGAGCATCCC CTCCTCTCCT CTTCTGTGA CTGCACTTCC</u>
22701	<u>TACTTCTGTT CTGGTGACAA CCACAGATGT GTTGGGCACA ACAAGCCCAG</u>
22751	<u>AGTCTGTAAC CAGTTCACCT CCAAATTTGA GCAGCATCAC TCATGAGAGA</u>
22801	<u>CCGGCCACTT ACAAAGACAC TGCACACACA GAAGCCGCCA TGCATCATTC</u>
22851	<u>CACAAACACC GCAGTGACCA ATGTAGGGAC TTCCGGGTCT GGACATAAAT</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
22901	<u>CACAATCCTC TGTCTAGCT GACTCAGAGA CATCGAAAGC CACACCTCTG</u>
22951	<u>ATGAGTACCA CCTCCACCCT GGGGGACACA AGTGTTTCCA CATCAACTCC</u>
23001	<u>TAATATCTCT CAGACTAACC AAATTCAAAC AGAGCCAACA GCATCCCTGA</u>
23051	<u>GCCCTAGACT GAGGGAGAGC AGCACGTCTG AGAAGACCAG CTCAACAACA</u>
23101	<u>GAGACAAATA CTGCCTTTTC TTATGTGCCC ACAGGTGCTA TTA CT CAGGC</u>
23151	<u>CTCCAGAACA GAAATCTCCT CTAGCAGAAC ATCCATCTCA GACCTTGATC</u>
23201	<u>GGTCCACAAT AGCACCCGAC ATCTCCACAG GAATGATCAC CAGGCTCTTC</u>
23251	<u>ACCTCCCCCA TCATGACAAA ATCTGCAGAA ATGACCGTCA CCACTCAAAC</u>
23301	<u>AACTACTCCT GGGGCTACAT CACAGGGTAT CCTTCCCTGG GACACATCAA</u>
23351	<u>CCACACTTTT CCAGGGAGGG ACTCATTCAA CCGTGTCTCA GGGATTCCCA</u>
23401	<u>CACTCAGAGA TAACCACTCT TCGGAGCAGA ACCCCTGGAG ATGTGTCATG</u>
23451	<u>GATGACAACT CCCCTGTGG AAGAAACCAG CTCTGGGTTT TCCCTGATGT</u>
23501	<u>CACCTTCCAT GACATCCCCT TCTCCTGTTT CCTCCACATC ACCAGAGAGC</u>
23551	<u>ATCCCCTCCT CTCCTCTCCC TGTGACTGCA CTTCTTACTT CTGTTCTGGT</u>
23601	<u>GACAACCACA AATGTATTGG GCACAACAAG CCCAGAGCCC GTAACGAGTT</u>
23651	<u>CACCTCCAAA TTTAAGCAGC CCCACACAGG AGAGACTGAC CACTTACAAA</u>
23701	<u>GACACTGCGC ACACAGAAGC CATGCATGCT TCCATGCATA CAAACACTGC</u>
23751	<u>AGTGGCCAAC GTGGGGACCT CCATTTCTGG ACATGAATCA CAATCTTCTG</u>
23801	<u>TCCCAGCTGA TTCAGACACA TCCAAAGCCA CATCTCCAAT GGGTACCACC</u>
23851	<u>TTCGCCATGG GGGATACAAG TGTTTCTACA TCAACTCCTG CCTTCTTTGA</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
23901	<u>GACTAGAATT CAGACTGAAT CAACATCCTC TTTGATTCCT GGATTAAGGG</u>
23951	<u>ACACCAGGAC GTCTGAGGAG ATCAACACTG TGACAGAGAC CAGCACTGTC</u>
24001	<u>CTTTCAGAAG TGCCCACTAC TACTACTACT GAGGTCTCCA GGACAGAAGT</u>
24051	<u>TATCACTTCC AGCAGAACAA CCATCTCAGG GCCTGATCAT TCCAAAATGT</u>
24101	<u>CACCCTACAT CTCCACAGAA ACCATCACCA GGCTCTCCAC TTTTCCTTTT</u>
24151	<u>GTAACAGGAT CCACAGAAAT GGCCATCACC AACCAAACAG GTCCTATAGG</u>
24201	<u>GACTATCTCA CAGGCTACCC TTACCCTGGA CACATCAAGC ACAGCTTCCT</u>
24251	<u>GGGAAGGGAC TCACTCACCT GTGACTCAGA GATTTCACA CTCAGAGGAG</u>
24301	<u>ACCACTACTA TGAGCAGAAG TACTAAGGGC GTGTCATGGC AAAGCCCTCC</u>
24351	<u>CTCTGTGGAA GAAACCAATT CTCCTTCTTC CCCAGTGCCT TTACCTGCAA</u>
24401	<u>TAACCTCACA TTCATCTCTT TATTCCGCAG TATCAGGAAG TAGCCCCACT</u>
24451	<u>TCTGCTCTCC CTGTGACTTC CCTTCTCACC TCTGGCAGGA GGAAGACCAT</u>
24501	<u>AGACATGTTG GACACACACT CAGAACTTGT GACCAGCTCC TTACCAAGTG</u>
24551	<u>CAAGTAGCTT CTCAGGTGAG ATACTCACTT CTGAAGCCTC CACAAATACA</u>
24601	<u>GAGACAATTC ACTTTTCAGA GAACACAGCA GAAACCAATA TGGGGACCAC</u>
24651	<u>CAATTCTATG CATAAACTAC ATTCCTCTGT CTCAATCCAC TCCCAGCCAT</u>
24701	<u>CCGGACACAC ACCTCCAAAG GTTACTGGAT CTATGATGGA GGACGCTATT</u>
24751	<u>GTTTCCACAT CAACACCTGG TTCTCCTGAG ACTAAAAATG TTGACAGAGA</u>
24801	<u>CTCAACATCC CCTCTGACTC CTGAACTGAA AGAGGACAGC ACCGCCCTGG</u>
24851	<u>TGATGAACTC AACTACAGAG TCAAACACTG TTTTCTCCAG TGTGTCCCTG</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
24901	<u>GATGCTGCTA CTGAGGTCTC CAGGGCAGAA GTCACCTACT ATGATCCTAC</u>
24951	<u>ATTCATGCCA GCTTCTGCTC AGTCAACAAA GTCCCCAGAC ATTTACCTG</u>
25001	<u>AAGCCAGCAG CAGTCATTCT AACTCTCCTC CCTTGACAAT ATCTACACAC</u>
25051	<u>AAGACCATCG CCACACAAAC AGGTCCTTCT GGGGTGACAT CTCTTGCCA</u>
25101	<u>ACTGACCCTG GACACATCAA CCATAGCCAC CTCAGCAGGA ACTCCATCAG</u>
25151	<u>CCAGAACTCA GGATTTTGTA GATTCAGAAA CAACCAAGTGT CATGAACAAT</u>
25201	<u>GATCTCAATG ATGTGTTGAA GACAAGCCCT TTCTCTGCAG AAGAAGCCAA</u>
25251	<u>CTCTCTCTCT TCTCAGGCAC CTCTCCTTGT GACAACCTCA CCTTCTCCTG</u>
25301	<u>TAACTTCCAC ATTGCAAGAG CACAGTACCT CCTCTCTTGT TTCTGTGACC</u>
25351	<u>TCAGTACCCA CCCCTACACT GGCGAAGATC ACAGACATGG ACACAACTT</u>
25401	<u>AGAACCTGTG ACTCGTTCAC CTCAAAATTT AAGGAACACC TTGGCCACTT</u>
25451	<u>CAGAAGCCAC CACAGATACA CACACAATGC ATCCTTCTAT AAACACAGCA</u>
25501	<u>GTGGCCAATG TGGGGACCAC CAGTTCACCA AATGAATTCT ATTTTACTGT</u>
25551	<u>CTCACCTGAC TCAGACCCAT ATAAAGCCAC ATCCGCAGTA GTTATCACTT</u>
25601	<u>CCACCTCGGG GGAATCAATA GTTTCCACAT CAATGCCTAG ATCCTCTGCG</u>
25651	<u>ATGAAAAAGA TTGAGTCTGA GACAACCTTC TCCCTGATAT TTAGACTGAG</u>
25701	<u>GGAGACTAGC ACCTCCCAGA AAATTGGCTC ATCCTCAGAC ACAAGCACGG</u>
25751	<u>TCTTTGACAA AGCATTCACT GCTGCTACTA CTGAGGTCTC CAGAACAGAA</u>
25801	<u>CTCACCTCCT CTAGCAGAAC ATCCATCCAA GGCACTGAAA AGCCCACAAT</u>
25851	<u>GTCACCGGAC ACCTCCACAA GATCTGTCAC CATGCTTTCT ACTTTTGCTG</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
25901	<u>GCCTGACAAA ATCCGAAGAA AGGACCATTG CCACCCAAAC AGGTCCTCAT</u>
25951	<u>AGGGCGACAT CACAGGGTAC CCTTACCTGG GACACATCAA TCACAACCTC</u>
26001	<u>ACAGGCAGGG ACCCACTCAG CTATGACTCA TGGATTTTCA CAATTAGATT</u>
26051	<u>TGTCCACTCT TACGAGTAGA GTTCCTGAGT ACATATCAGG GACAAGCCCA</u>
26101	<u>CCCTCTGTGG AAAAAACCAG CTCTTCCTCT TCCCTTCTGT CTTTACCAGC</u>
26151	<u>AATAACCTCA CCGTCCCCTG TACCTACTAC ATTACCAGAA AGTAGGCCGT</u>
26201	<u>CTTCTCCTGT TCATCTGACT TCACTCCCCA CCTCTGGCCT AGTGAAGACC</u>
26251	<u>ACAGATATGC TGGCATCTGT GGCCAGTTTA CCTCCAAACT TGGGCAGCAC</u>
26301	<u>CTCACATAAG ATACCGACTA CTTCAGAAGA CATTAAAGAT ACAGAGAAAA</u>
26351	<u>TGTATCCTTC CACAAACATA GCAGTAACCA ATGTGGGGAC CACCACTTCT</u>
26401	<u>GAAAAGGAAT CTTATTCGTC TGTCCCAGCC TACTCAGAAC CACCCAAAGT</u>
26451	<u>CACCTCTCCA ATGGTTACCT CTTTCAACAT AAGGGACACC ATTGTTTCCA</u>
26501	<u>CATCCATGCC TGGCTCCTCT GAGATTACAA GGATTGAGAT GGAGTCAACA</u>
26551	<u>TTCTCCCTGG CTCATGGGCT GAAGGGAACC AGCACCTCCC AGGACCCCAT</u>
26601	<u>CGTATCCACA GAGAAAAGTG CTGTCCTTCA CAAGTTGACC ACTGGTGCTA</u>
26651	<u>CTGAGACCTC TAGGACAGAA GTTGCCTCTT CTAGAAGAAC ATCCATTCCA</u>
26701	<u>GGCCCTGATC ATTCCACAGA GTCACCAGAC ATCTCCACTG AAGTGATCCC</u>
26751	<u>CAGCCTGCCT ATCTCCCTTG GCATTACAGA ATCTTCAAAT ATGACCATCA</u>
26801	<u>TCACTCGAAC AGGTCCTCCT CTTGGCTCTA CATCACAGGG CACATTTACC</u>
26851	<u>TTGGACACAC CAACTACATC CTCCAGGGCA GGAACACACT CGATGGCGAC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
26901	<u>TCAGGAATTT CCACACTCAG AAATGACCAC TGTCATGAAC AAGGACCCTG</u>
26951	<u>AGATTCTATC ATGGACAATC CCTCCTTCTA TAGAGAAAAC CAGCTTCTCC</u>
27001	<u>TCTTCCCTGA TGCCTTCACC AGCCATGACT TCACCTCCTG TTTCCCTCAAC</u>
27051	<u>ATTACCAAAG ACCATTACACA CCACTCCTTC TCCTATGACC TCACTGCTCA</u>
27101	<u>CCCCTAGCCT AGTGATGACC ACAGACACAT TGGGCACAAG CCCAGAACCT</u>
27151	<u>ACAACCAGTT CACCTCCAAA TTTGAGCAGT ACCTCACATG AGATACTGAC</u>
27201	<u>AACAGATGAA GACACCACAG CTATAGAAGC CATGCATCCT TCCACAAGCA</u>
27251	<u>CAGCAGCGAC TAATGTGGAA ACCACCAGTT CTGGACATGG GTCACAATCC</u>
27301	<u>TCTGTCCTAG CTGACTCAGA AAAAACCAAG GCCACAGCTC CAATGGATAC</u>
27351	<u>CACCTCCACC ATGGGGCATA CAACTGTTTC CACATCAATG TCTGTTTCCT</u>
27401	<u>CTGAGACTAC AAAAATTAAG AGAGAGTCAA CATATTCCTT GACTCCTGGA</u>
27451	<u>CTGAGAGAGA CCAGCATTTT CCAAATGCC AGCTTTTCCA CTGACACAAG</u>
27501	<u>TATTGTTCTT TCAGAAGTCC CCACTGGTAC TACTGCTGAG GTCTCCAGGA</u>
27551	<u>CAGAAGTCAC CTCCTCTGGT AGAACATCCA TCCCTGGCCC TTCTCAGTCC</u>
27601	<u>ACAGTTTTGC CAGAAATATC CACAAGAACA ATGACAAGGC TCTTTGCCTC</u>
27651	<u>GCCCACCATG ACAGAATCAG CAGAAATGAC CATCCCCACT CAAACAGGTC</u>
27701	<u>CTTCTGGGTC TACCTCACAG GATACCCCTTA CCTTGGACAC ATCCACCACA</u>
27751	<u>AAGTCCCAGG CAAAGACTCA TTCAACTTTG ACTCAGAGAT TTCCACACTC</u>
27801	<u>AGAGATGACC ACTCTCATGA GCAGAGGTCC TGGAGATATG TCATGGCAAA</u>
27851	<u>GCTCTCCCTC TCTGGAAAAT CCCAGCTCTC TCCCTTCCCT GCTGTCTTTA</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
27901	<u>CCTGCCACAA CCTCACCTCC TCCCATTTC TCCACATTAC CAGTGACTAT</u>
27951	<u>CTCCTCCTCT CCTCTTCCTG TGA CTTCACCTCT AGCCCGGTAA</u>
28001	<u>CGACCACAGA CATGTTACAC ACAAGCCCAG AACTTGTAAC CAGTTCACCT</u>
28051	<u>CCAAAGCTGA GCCACACTTC AGATGAGAGA CTGACCACTG GCAAGGACAC</u>
28101	<u>CACAAATACA GAAGCTGTGC ATCCTTCCAC AAACACAGCA GCGTCCAATG</u>
28151	<u>TGGAGATTCC CAGCTCTGGA CATGAATCCC CTTCTCTGCT CTTAGCTGAC</u>
28201	<u>TCAGAGACAT CCAAAGCCAC ATCACCAATG TTTATTACCT CCACCCAGGA</u>
28251	<u>GGATACAACT GTTGCCATAT CAACCCCTCA CTTCTTGAG ACTAGCAGAA</u>
28301	<u>TTCAGAAAGA GTCAATTTCC TCCCTGAGCC CTAAATTGAG GGAGACAGGC</u>
28351	<u>AGTTCTGTGG AGACAAGCTC AGCCATAGAG ACAAGTGCTG TCCTTTCTGA</u>
28401	<u>AGTGTCCGTT GGTGCTACTA CTGAGATCTC CAGGACAGAA GTCACCTCCT</u>
28451	<u>CTAGCAGAAC ATCCATCTCT GGTCTGCTG AGTCCACAAT GTTGCCAGAA</u>
28501	<u>ATATCCACCA CAAGAAAAAT CATTAAGTTC CCTACTTCCC CCATCCTGGC</u>
28551	<u>AGAATCATCA GAAATGACCA TCAAGACCCA AACAAGTCCT CCTGGGTCTA</u>
28601	<u>CATCAGAGAG TACCTTTACA TTAGACACAT CAACCACTCC CTCCTTGTA</u>
28651	<u>ATAACCCATT CGACTATGAC TCAGAGATTG CCACACTCAG AGATAACCAC</u>
28701	<u>TCTTGTGAGT AGAGGTGCTG GGGATGTGCC ACGGCCAGC TCTCTCCCTG</u>
28751	<u>TGGAAGAAAC AAGCCCTCCA TCTTCCCAGC TGTCTTTATC TGCCATGATC</u>
28801	<u>TCACCTTCTC CTGTTTCTTC CACATTACCA GCAAGTAGCC ACTCCTCTTC</u>
28851	<u>TGCTTCTGTG ACTTCACTTC TCACACCAGG CCAAGTGAAG ACTACTGAGG</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
28901	<u>TGTTGGACGC AAGTGCAGAA CCTGAAACCA GTTCACCTCC AAGTTTGAGC</u>
28951	<u>AGCACCTCAG TTGAAATACT GGCCACCTCT GAAGTCACCA CAGATACGGA</u>
29001	<u>GAAAATTCAT CCTTTCTCAA ACACGGCAGT AACCAAAGTT GGAACCTCCA</u>
29051	<u>GTTCTGGACA TGAATCCCCT TCCTCTGTCC TACCTGACTC AGAGACAACC</u>
29101	<u>AAAGCCACAT CGGCAATGGG TACCATCTCC ATTATGGGGG ATACAAGTGT</u>
29151	<u>TTCTACATTA ACTCCTGCCT TATCTAACAC TAGGAAAATT CAGTCAGAGC</u>
29201	<u>CAGCTTCCTC ACTGACCACC AGATTGAGGG AGACCAGCAC CTCTGAAGAG</u>
29251	<u>ACCAGCTTAG CCACAGAAGC AAACACTGTT CTTTCTAAAG TGTCCACTGG</u>
29301	<u>TGCTACTACT GAGGTCTCCA GGACAGAAGC CATCTCCTTT AGCAGAACAT</u>
29351	<u>CCATGTCAGG CCCTGAGCAG TCCACAATGT CACAAGACAT CTCCATAGGA</u>
29401	<u>ACCATCCCCA GGATTTCTGC CTCCTCTGTC CTGACAGAAT CTGCAAAAAT</u>
29451	<u>GACCATCACA ACCCAAACAG GTCCTTCGGA GTCTACACTA GAAAGTACCC</u>
29501	<u>TTAATTTGAA CACAGCAACC ACACCCTCTT GGGTGGAAAC CCACTCTATA</u>
29551	<u>GTAATTCAGG GATTTCCACA CCCAGAGATG ACCACTTCCA TGGGCAGAGG</u>
29601	<u>TCCTGGAGGT GTGTCATGGC CTAGCCCTCC CTTTGTGAAA GAAACCAGCC</u>
29651	<u>CTCCATCCTC CCCGCTGTCT TTACCTGCCG TGACCTCACC TCATCCTGTT</u>
29701	<u>TCCACCACAT TCCTAGCACA TATCCCCCCC TCTCCCCTTC CTGTGACTTC</u>
29751	<u>ACTTCTCACC TCTGGCCCGG CGACAACCAC AGATATCTTG GGTACAAGCA</u>
29801	<u>CAGAACCTGG AACCAGTTCA TCTTCAAGTT TGAGCACCAC CTCCCATGAG</u>
29851	<u>AGACTGACCA CTTACAAAGA CACTGCACAT ACAGAAGCCG TGCATCCTTC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
29901	<u>CACAAACACA GGAGGGACCA ATGTGGCAAC CACCAGCTCT GGATATAAAT</u>
29951	<u>CACAGTCCTC TGTCTAGCT GACTCATCTC CAATGTGTAC CACCTCCACC</u>
30001	<u>ATGGGGGATA CAAGTGTCT CACATCAACT CCTGCCTTCC TTGAGACTAG</u>
30051	<u>GAGGATTCAG ACAGAGCTAG CTTCTCCCT GACCCCTGGA TTGAGGGAGT</u>
30101	<u>CCAGTGGCTC TGAAGGGACC AGCTCAGGCA CCAAGATGAG CACTGTCCTC</u>
30151	<u>TCTAAAGTGC CCACTGGTGC TACTACTGAG ATCTCCAAGG AAGACGTCAC</u>
30201	<u>CTCCATCCCA GGTCCCGCTC AATCCACAAT ATCACCAGAC ATCTCCACAA</u>
30251	<u>GAACCGTCAG CTGGTTCTCT ACATCCCCTG TCATGACAGA ATCAGCAGAA</u>
30301	<u>ATAACCATGA ACACCCATAC AAGTCCTTTA GGGGCCACAA CACAAGGCAC</u>
30351	<u>CAGTACTTTG GCCACGTCAA GCACAACCTC TTTGACAATG ACACACTCAA</u>
30401	<u>CTATATCTCA AGGATTTTCA CACTCACAGA TGAGCACTCT TATGAGGAGG</u>
30451	<u>GGTCCTGAGG ATGTATCATG GATGAGCCCT CCCCTTCTGG AAAAACTAG</u>
30501	<u>ACCTTCCTTT TCTCTGATGT CTTACCAGC CACAACTTCA CCTTCTCCTG</u>
30551	<u>TTTCCTCCAC ATTACCAGAG AGCATCTCTT CCTCTCCTCT TCCTGTGACT</u>
30601	<u>TCACTCCTCA CGTCTGGCTT GGCAAAAACT ACAGATATGT TGCACAAAAG</u>
30651	<u>CTCAGAACCT GTAACCAACT CACCTGCAAA TTTGAGCAGC ACCTCAGTTG</u>
30701	<u>AAATACTGGC CACCTCTGAA GTCACCACAG ATACAGAGAA AACTCATCCT</u>
30751	<u>TCTTCAAACA GAACAGTGAC CGATGTGGGG ACCTCCAGTT CTGGACATGA</u>
30801	<u>ATCCACTTCC TTTGTCCTAG CTGACTCACA GACATCCAAA GTCACATCTC</u>
30851	<u>CAATGGTTAT TACCTCCACC ATGGAGGATA CGAGTGTCTC CACATCAACT</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
30901	<u>CCTGGCTTTT TTGAGACTAG CAGAATTCAG ACAGAACCAA CATCCTCCCT</u>
30951	<u>GACCCTTGGA CTGAGAAAGA CCAGCAGCTC TGAGGGGACC AGCTTAGCCA</u>
31001	<u>CAGAGATGAG CACTGTCCTT TCTGGAGTGC CCACTGGTGC CACTGCTGAA</u>
31051	<u>GTCTCCAGGA CAGAAGTCAC CTCCTCTAGC AGAACATCCA TCTCAGGCTT</u>
31101	<u>TGCTCAGCTC ACAGTGTAC CAGAGACTTC CACAGAAACC ATCACCAGAC</u>
31151	<u>TCCCTACCTC CAGCATAATG ACAGAATCAG CAGAAATGAT GATCAAGACA</u>
31201	<u>CAAACAGATC CTCCTGGGTC TACACCAGAG AGTACTCATA CTGTGGACAT</u>
31251	<u>ATCAACAACA CCCAACTGGG TAGAAACCCA CTCGACTGTG ACTCAGAGAT</u>
31301	<u>TTTCACACTC AGAGATGACC ACTCTTGTGA GCAGAAGCCC TGGTGATATG</u>
31351	<u>TTATGGCCTA GTCAATCCTC TGTGGAAGAA ACCAGCTCTG CCTCTTCCCT</u>
31401	<u>GCTGTCTCTG CCTGCCACGA CCTCACCTTC TCCTGTTTCC TCTACATTAG</u>
31451	<u>TAGAGGATTT CCCTTCCGCT TCTCTTCCTG TGA CTCTCT TCTCACCCCT</u>
31501	<u>GGCCTGGTGA TAACCACAGA CAGGATGGGC ATAAGCAGAG AACCTGGAAC</u>
31551	<u>CAGTTCCACT TCAAATTTGA GCAGCACCTC CCATGAGAGA CTGACCACTT</u>
31601	<u>TGGAAGACAC TG TAGATACA GAAGACATGC AGCCTTCCAC ACACACAGCA</u>
31651	<u>GTGACCAACG TGAGGACCTC CATTCTCTGGA CATGAATCAC AATCTTCTGT</u>
31701	<u>CCTATCTGAC TCAGAGACAC CCAAGCCAC ATCTCCAATG GGTACCACCT</u>
31751	<u>ACACCATGGG GGAAACGAGT GTTTCATAT CCACTTCTGA CTTCTTTGAG</u>
31801	<u>ACCAGCAGAA TTCAGATAGA ACCAACATCC TCCCTGACTT CTGGATTGAG</u>
31851	<u>GGAGACCAGC AGCTCTGAGA GGATCAGCTC AGCCACAGAG GGAAGCACTG</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
31901	<u>TCCTTTCTGA AGTGCCCACT GGTGCTACCA CTGAGGTCTC CAGGACAGAA</u>
31951	<u>GTGATATCCT CTAGGGGAAC ATCCATGTCA GGGCCTGATC AGTTCACCAT</u>
32001	<u>ATCACCAGAC ATCTCTACTG AAGCGATCAC CAGGCTTTCT ACTTCCCCCA</u>
32051	<u>TTATGACAGA ATCAGCAGAA AGTGCCATCA CTATTGAGAC AGGTTCTCCT</u>
32101	<u>GGGGCTACAT CAGAGGGTAC CCTCACCTTG GACACCTCAA CAACAACCTT</u>
32151	<u>TTGGTCAGGG ACCCACTCAA CTGCATCTCC AGGATTTTCA CACTCAGAGA</u>
32201	<u>TGACCACTCT TATGAGTAGA ACTCCTGGAG ATGTGCCATG GCCGAGCCTT</u>
32251	<u>CCCTCTGTGG AAGAAGCCAG CTCTGTCTCT TCCTCACTGT CTTACCTGC</u>
32301	<u>CATGACCTCA ACTTCTTTTT TCTCCACATT ACCAGAGAGC ATCTCCTCCT</u>
32351	<u>CTCCTCATCC TGTGACTGCA CTTCTCACCC TTGGCCCAGT GAAGACCACA</u>
32401	<u>GACATGTTGC GCACAAGCTC AGAACCTGAA ACCAGTTCAC CTCCAAATTT</u>
32451	<u>GAGCAGCACC TCAGCTGAAA TATTAGCCAC GTCTGAAGTC ACCAAAGATA</u>
32501	<u>GAGAGAAAAT TCATCCCTCC TCAAACACAC CTGTAGTCAA TGTAGGGACT</u>
32551	<u>GTGATTTATA AACATCTATC CCCTTCCTCT GTTTTGGCTG ACTTAGTGAC</u>
32601	<u>AACAAAACCC ACATCTCCAA TGGCTACCAC CTCCACTCTG GGAATACAA</u>
32651	<u>GTGTTTCCAC ATCAACTCCT GCCTTCCCAG AAACATATGAT GACACAGCCA</u>
32701	<u>ACTTCCTCCC TGAATTCTGG ATTAAGGGAG ATCAGTACCT CTCAAGAGAC</u>
32751	<u>CAGCTCAGCA ACAGAGAGAA GTGCTTCTCT TTCTGGAATG CCCACTGGTG</u>
32801	<u>CTACTACTAA GGTCTCCAGA ACAGAAGCCC TCTCCTTAGG CAGAACATCC</u>
32851	<u>ACCCCAAGTC CTGCTCAATC CACAATATCA CCAGAAATCT CCACGGAAAC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence
(SEQ ID NO: 1)

32901 CATCACTAGA ATTTCTACTC CCCTCACCAC GACAGGATCA GCAGAAATGA
 32951 CCATCACCCC CAAAACAGGT CATTCTGGGG CATCCTCACA AGGTACCTTT
 33001 ACCTTGGACA CATCAAGCAG AGCCTCCTGG CCAGGAACTC ACTCAGCTGC
 33051 AACTCACAGA TCTCCACACT CAGGGATGAC CACTCCTATG AGCAGAGGTC
 33101 CTGAGGATGT GTCATGGCCA AGCCGCCCAT CAGTGAAAAA AACTAGCCCT
 33151 CCATCTTCCC TGGTGTCTTT ATCTGCAGTA ACCTCACCTT CGCCACTTTA
 33201 TTCCACACCA TCTGAGAGTA GCCACTCATC TCCTCTCCGG GTGACTTCTC
 33251 TTTTCACCCC TGTCATGATG AAGACCACAG ACATGTTGGA CACAAGCTTG
 33301 GAACCTGTGA CCACTTCACC TCCCAGTATG AATATCACCT CAGATGAGAG
 33351 TCTGGCCACT TCTAAAGCCA CCATGGAGAC AGAGGCAATT CAGCTTTCAG

[0056] 33401 AAAACACAGC TGTGACTCAG ATGGGCACCA TCAGCGCTAG
ACAAGAATTC

33451 TATTCCTCTT ATCCAGGCCT CCCAGAGCCA TCCAAAGTGA CATCTCCAGT
 33501 GGTCACCTCT TCCACCATAA AAGACATTGT TTCTACAACC ATACCTGCTT
 33551 CCTCTGAGAT AACAAGAATT GAGATGGAGT CAACATCCAC CCTGACCCCC
 33601 ACACCAAGGG AGACCAGCAC CTCCCAGGAG ATCCACTCAG CCACAAAGCC
 33651 AAGCACTGTT CTTACAAGG CACTCACTAG TGCCACGATT GAGGACTCCA
 33701 TGACACAAGT CATGTCCTCT AGCAGAGGAC CTAGCCCTGA TCAGTCCACA
 33751 ATGTCACAAG ACATATCCAG TGAAGTGATC ACCAGGCTCT CTACCTCCCC
 33801 CATCAAGGCA GAATCTACAG AAATGACCAT TACCACCCAA ACAGGTTCTC
 33851 CTGGGGCTAC ATCAAGGGGT ACCCTTACCT TGGACACTTC AACAACTTTT

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
33901	<u>ATGTCAGGGA CCCACTCAAC TGCATCTCAA GGATTTTCAC ACTCACAGAT</u>
33951	<u>GACCGCTCTT ATGAGTAGAA CTCCTGGAGA TGTGCCATGG CTAAGCCATC</u>
34001	<u>CCTCTGTGGA AGAAGCCAGC TCTGCCTCTT TCTCACTGTC TTCACCTGTC</u>
34051	<u>ATGACCTCAT CTTCTCCCGT TTCTTCCACA TTACCAGACA GCATCCACTC</u>
34101	<u>TTCTTCGCTT CCTGTGACAT CACTTCTCAC CTCAGGGCTG GTGAAGACCA</u>
34151	<u>CAGAGCTGTT GGGCACAAGC TCAGAACCTG AAACCAGTTC ACCCCCAAAT</u>
34201	<u>TTGAGCAGCA CCTCAGCTGA AATACTGGCC ACCACTGAAG TCACTACAGA</u>
34251	<u>TACAGAGAAA CTGGAGATGA CCAATGTGGT AACCTCAGGT TATACACATG</u>
34301	<u>AATCTCCTTC CTCTGTCCTA GCTGACTCAG TGACAACAAA GGCCACATCT</u>
34351	<u>TCAATGGGTA TCACCTACCC CACAGGAGAT ACAAATGTTC TCACATCAAC</u>
34401	<u>CCCTGCCTTC TCTGACACCN</u> NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
34451	NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
34501	NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNCGGAAA CCAAGTTTCT
Exon 4	
34551	AACCAACCCC TCCTTTTGA <u>CCCCAGTAGG ATTCAAACAA AGTCAAAGCT</u>
34601	<u>CTCACTGACT CCTGGGTTGA TGGAGACCAG CATCTCTGAA GAGACCAGCT</u>
34651	<u>CTGCCACAGA AAAAAGCACT GTCCTTTCTA GTGTGCCCAC TGGTGCTACT</u>
34701	<u>ACTGAGGTCT CCAGGACAGA AGCCATCTCT TCTAGCAGAA CATCCATCCC</u>
34751	<u>AGGCCCTGCT CAATCCACAA TGTCATCAGA CACCTCCATG GAAACCATCA</u>
34801	<u>CTAGAATTTC TACCCCCCTC ACAAGGAAAG AATCAACAGA CATGGCCATC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
34851	<u>ACCCCCAAAA CAGGTCCTTC TGGGGCTACC TCGCAGGGTA CCTTTACCTT</u>
34901	<u>GGACTCATCA AGCACAGCCT CCTGGCCAGG AACTCACTCA GCTACAACCTC</u>
34951	<u>AGAGATTTCC ACAGTCAGTG GTGACAACTC CTATGAGCAG AGGTCCTGAG</u>
35001	<u>GATGTGTCAT GGCCAAGCCC GCTGTCTGTG GAAAAAACA GCCCTCCATC</u>
35051	<u>TTCCCTGGTA TCTTCATCTT CAGTAACCTC ACCTTCGCCA CTTTATTCCA</u>
35101	<u>CACCATCTGG GAGTAGCCAC TCCTCTCCTG TCCCTGTCAC TTCTCTTTTC</u>
35151	<u>ACCTCTATCA TGATGAAGGC CACAGACATG TTGGATGCAA GTTTGGAACC</u>
35201	<u>TGAGACCACT TCAGCTCCCA ATATGAATAT CACCTCAGAT GAGAGTCTGG</u>
35251	<u>CCACTTCTAA AGCCACCACG GAGACAGAGG CAATTCACGT TTTTGAAAAT</u>
35301	<u>ACAGCAGCGT CCCATGTGGA AACCACCAGT GCTACAGAGG AACTCTATTC</u>
35351	<u>CTCTTCCCCA GGCTTCTCAG AGCCAACAAA AGTGATATCT CCAGTGGTCA</u>
35401	<u>CCTCTTCCTC TATAAGAGAC AACATGGTTT CCACAACAAT GCCTGGCTCC</u>
35451	<u>TCTGGCATT AAGGATTGA GATAGAGTCA ATGTCATCTC TGACCCCTGG</u>
35501	<u>ACTGAGGGAG ACCAGAACCT CCCAGGACAT CACCTCATCC ACAGAGACAA</u>
35551	<u>GCACTGTCCT TTACAAGATG TCCTCTGGTG CCACTCCTGA GGTCTCCAGG</u>
35601	<u>ACAGAAGTTA TGCCCTCTAG CAGAACATCC ATTCCTGGCC CTGCTCAGTC</u>
35651	<u>CACAATGTCA CTAGACATCT CCGATGAAGT TGTCACCAGG CTGTCTACCT</u>
35701	<u>CTCCCATCAT GACAGAATCT GCAGAAATAA CCATCACCAC CCAAACAGGT</u>
35751	<u>TATTCTCTGG CTACATCCCA GGTTACCCTT CCCTTGGGCA CCTCAATGAC</u>
35801	<u>CTTTTTGTCA GGGACCCACT CAACTATGTC TCAAGGACTT TCACACTCAG</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
35851	<u>AGATGACCAA TCTTATGAGC AGGGGTCCTG AAAGTCTGTC ATGGACGAGC</u>
35901	<u>CCTCGCTTTG TGGAAACAAC TAGATCTTCC TCTTCTCTGA CATCATTACC</u>
35951	<u>TCTCACGACC TCACTTTCTC CTGTGTCCTC CACATTACTA GACAGTAGCC</u>
36001	<u>CCTCCTCTCC TCTTCCTGTG ACTTCACTTA TCCTCCCAGG CCTGGTGAAG</u>
36051	<u>ACTACAGAAG TGTTGGATAC AAGCTCAGAG CCTAAAACCA GTTCATCTCC</u>
36101	<u>AAATTTGAGC AGCACCTCAG TTGAAATACC GGCCACCTCT GAAATCATGA</u>
36151	<u>CAGATACAGA GAAAATTCAT CCTTCCTCAA ACACAGCGGT GGCCAAAGTG</u>
36201	<u>AGGACCTCCA GTTCTGTTCA TGAATCTCAT TCCTCTGTCC TAGCTGACTC</u>
36251	<u>AGAAACAACC ATAACCATAC CTTCAATGGG TATCACCTCC GCTGTGGACG</u>
36301	<u>ATACCACTGT TTTACATCA AATCCTGCCT TCTCTGAGAC TAGGAGGATT</u>
36351	<u>CCGACAGAGC CAACATTCTC ATTGACTCCT GGATTCAGGG AGACTAGCAC</u>
36401	<u>CTCTGAAGAG ACCACCTCAA TCACAGAAAC AAGTGCAGTC CTTTATGGAG</u>
36451	<u>TGCCCCACTAG TGCTACTACT GAAGTCTCCA TGACAGAAAT CATGTCCTCT</u>
36501	<u>AATAGAACAC ACATCCCTGA CTCTGATCAG TCCACGATGT CTCCAGACAT</u>
36551	<u>CATCACTGAA GTGATCACCA GGCTCTCTTC CTCATCCATG ATGTCAGAAT</u>
36601	<u>CAACACAAAT GACCATCACC ACCCAAAAAA GTTCTCCTGG GGCTACAGCA</u>
36651	<u>CAGAGTACTC TTACCTTGGC CACAACAACA GCCCCCTTGG CAAGGACCCA</u>
36701	<u>CTCAACTGTT CCTCCTAGAT TTTTACACTC AGAGATGACA ACTCTTATGA</u>
36751	<u>GTAGGAGTCC TGAAAATCCA TCATGGAAGA GCTCTCCCTT TGTGGAAAAA</u>
36801	<u>ACTAGCTCTT CATCTTCTCT GTTGTCTTA CCTGTCACGA CCTCACCTTC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
36851	<u>TGTTTCTTCC ACATTACCGC AGAGTATCCC TTCCTCCTCT TTTTCTGTGA</u>
36901	<u>CTTCACTCCT CACCCCAGGC ATGGTGAAGA CTACAGACAC AAGCACAGAA</u>
36951	<u>CCTGGAACCA GTTTATCTCC AAATCTGAGT GGCACCTCAG TTGAAATACT</u>
37001	<u>GGCTGCCTCT GAAGTCACCA CAGATACAGA GAAAATTCAT CCTTCTTCAA</u>
37051	<u>GCA TGGCAGT GACCAATGTG GGAACCACCA GTTCTGGACA TGA ACTATAT</u>
37101	<u>TCCTCTGTTT CAATCCACTC GGAGCCATCC AAGGCTACAT ACCCAGTGGG</u>
37151	<u>TACTCCCTCT TCCATGGCTG AAACCTCTAT TTCCACATCA ATGCCTGCTA</u>
37201	<u>ATTTTGAGAC CACAGGATTT GAGGCTGAGC CATTTTCTCA TTTGACTTCT</u>
37251	<u>GGATTTAGGA AGACAAACAT GTCCCTGGAC ACCAGCTCAG TCACACCAAC</u>
37301	<u>AAATACACCT TCTTCTCCTG GGTCCACTCA CCTTTTACAG AGTTCCAAGA</u>
37351	<u>CTGATTTTAC CTCTTCTGCA AAAACATCAT CCCCAGACTG GCCTCCAGCC</u>
37401	<u>TCACAGTATA CTGAAATTCC AGTGGACATA ATCACCCCCT TTAATGCTTC</u>
37451	<u>TCCATCTATT ACGGAGTCCA CTGGGATAAC CTCCTTCCA GAATCCAGGT</u>
37501	<u>TTACTATGTC TGTAACAGAA AGTACTCATC ATCTGAGTAC AGATTGCTG</u>
37551	<u>CCTTCAGCTG AGACTATTTT CACTGGCACA GTGATGCCTT CTCTATCAGA</u>
37601	<u>GGCCATGACT TCATTTGCCA CCACTGGAGT TCCACGAGCC ATCTCAGGTT</u>
37651	<u>CAGGTAGTCC ATTCTCTAGG ACAGAGTCAG GCCCTGGGGA TGCTACTCTG</u>
37701	<u>TCCACCATG CAGAGAGCCT GCCTTCATCC ACTCCTGTGC CATTCTCCTC</u>
37751	<u>TTCAACCTTC ACTACCACTG ATTCTTCAAC CATCCAGCC CTCCATGAGA</u>
37801	<u>TAACTTCCTC TTCAGCTACC CCATATAGAG TGGACACCAG TCTTGGGACA</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
37851	<u>GAGAGCAGCA</u>	<u>CTACTGAAGG</u>	<u>ACGCTTGGTT</u>	<u>ATGGTCAGTA</u>	<u>CTTTGGACAC</u>
37901	<u>TTCAAGCCAA</u>	<u>CCAGGCAGGA</u>	<u>CATCTTCAAC</u>	<u>ACCCATTTTG</u>	<u>GATACCAGAA</u>
37951	<u>TGACAGAGAG</u>	<u>CGTTGAGCTG</u>	<u>GGAACAGTGA</u>	<u>CAAGTGCTTA</u>	<u>TCAAGTTCCT</u>
38001	<u>TCACTCTCAA</u>	<u>CACGGTTGAC</u>	<u>AAGAGAATGC</u>	<u>GCATGGCGAG</u>	<u>AAGGGAGAAG</u>
38051	<u>TGTAGTTGGA</u>	<u>TGGATAAAAG</u>	<u>GAAGAATGGA</u>	<u>GAGAAGAGTG</u>	<u>AATGGAAGGA</u>
38101	<u>AGCAAAGATG</u>	<u>AAGCGGAGGA</u>	<u>AGGATAGATG</u>	<u>CACAGAAGGA</u>	<u>AGGATGAAAA</u>
38151	<u>GAAAGAAAGA</u>	<u>TGATGGAAGA</u>	<u>CAGGATTGAA</u>	<u>GGGGATATAG</u>	<u>ATTGAAGGAA</u>
38201	<u>AGAAAGGTAG</u>	<u>AAGGATGAAA</u>	<u>TGAAGTAAAG</u>	<u>ATTGAAGAAA</u>	<u>AGATGGATGG</u>
38251	<u>AAAGAAGAAA</u>	<u>GGAGGGTGCA</u>	<u>CAAAAAATCT</u>	<u>CACACTTCAC</u>	<u>CACATATGAT</u>
38301	<u>TCATCCATAT</u>	<u>AAGAAAAAAC</u>	<u>CACTTGTACC</u>	<u>CTCAAAGCTA</u>	<u>TTGAAATACA</u>
38351	<u>AACTTTTAAA</u>	<u>TTAAAATTTT</u>	<u>AAAAAGCAAG</u>	<u>AGAAAGGAAA</u>	<u>GAAGGGAGGA</u>
38401	<u>AAGACAAAAG</u>	<u>GAAGAATGGG</u>	<u>TGATAGAAGG</u>	<u>AAAGAATAAA</u>	<u>AGGAAGAAAA</u>
38451	<u>AATGGAAGAA</u>	<u>TAGATGATCA</u>	<u>GATCTAGGGA</u>	<u>TGAATGAAAG</u>	<u>GAAGGATGGA</u>
38501	<u>CAAATCTATA</u>	<u>GGTAGGTGGA</u>	<u>TGGATCTATG</u>	<u>GACAGGTGTG</u>	<u>GCCACTTATG</u>
38551	<u>GCACATAGTC</u>	<u>CCAGCTCCAG</u>	<u>TTCATACTGA</u>	<u>TGGACTTGAG</u>	<u>GAGTGTTTGT</u>
38601	<u>GGCCAATGAA</u>	<u>GTGGATCCAT</u>	<u>TTAGACAGTG</u>	<u>CTCTTCTTCT</u>	<u>GAATGAGATG</u>
Exon 5					
38651	<u>AGTTACCCCA</u>	<u>GTTTTTCTCC</u>	<u>CCACCTTCAT</u>	<u>CTTCAGGAAC</u>	<u>TGATGGCATT</u>
38701	<u>ATGGAACACA</u>	<u>TCACAAAAAT</u>	<u>ACCCAATGAA</u>	<u>GCAGCACACA</u>	<u>GAGGTACCAT</u>
38751	<u>AAGACCAGTC</u>	<u>AAAGGCCCTC</u>	<u>AGACATCCAC</u>	<u>TTCGCCTGCC</u>	<u>AGTCCTAAAG</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
38801	GTAGGTTTAA	CTTTGCTTAC	CTCCCAGTAA	TGCCACTCGT	GACCATATTT
38851	CCTCCTCCAG	AGAGACAAAA	TGTTTGTATT	CTTTAGAGAG	AGAATTGTGT
38901	GTGGTTGTCA	TAGGTTTCCC	TGTCTGAACT	GAGTCTTTAT	CTAATGGTTA
38951	CCAGGCAGAT	GTTACCACTG	TCTCTTTCTC	CTCATGGCAT	GCTGAGTGAG
39001	TTTTGTCCAA	CATCAAATAT	TCACAAATTT	GTCCATATTA	ACCAAATTTT
39051	AAAAATGCTC	ATTAAAAACT	TACTATGAGC	TGGGCGCAGT	GGCTCATGCC
39101	TGTAATCCCA	ATACTTTGGG	AGGCTGAGCT	GGGTGGATCA	CCAGAGGTCA
39151	AAAATTCGAG	ACCAGTCTGA	CCAAAATGGT	GAAACTCCAT	CTCTACTGAA
39201	AATATAAAAA	TTAGCCGGGC	ATGGTGGCAC	ACACCGTAAT	CACAGCTACT
39251	CAGGAGGCTG	AGGCAAGAGA	GTCACCTGAA	CCACAGGAGG	TAGAGGCTGC
39301	AGTGAGCTGA	GCATTGTGCC	AATGCACTCC	AGCCTGGGTG	GCAGAGCAAG
39351	ACTCCAGCTC	AGAAATAAAT	AATATATTAT	ATATATATAT	ATATGTTTTA
39401	TTTAGATGGA	ATATACTATA	TATATATGTA	TATATATATG	TATGTATATA
39451	TATATATGTA	TGTATATATA	TATATATATA	TATATATATA	TATATAGAGA
39501	GAGAGAGAGA	GAGAGAGAGA	GAGAGAGACA	GAGTATGTCT	GAGAATGCAT
39551	CCCGATAGTT	CTAGCAAGGT	AGGAAAAGGA	AGTATCATAA	CAGCCTTGAA
39601	GTAGCCTGTT	GAAACAGACA	GACTCTCTTG	TAAGAGAACT	CACAAAATCT
39651	AGGATTATAT	CTCCCATGAT	GAAAAATTTG	GAACTGTACA	TTTTTGTTTA
39701	ACTGTCACTT	AAATNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
39751	NNNNNNNNNN	NNNNNNNNNN	NCCAGGAGGC	ACTGTGCTTG	GCGCCTTTTT

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
39801	ACCAACACTT	TGAGATGGCC	ATTGTACTTA	TCCCCACTTT	ATAGACGGGA
39851	AAATGGAGGT	CCAGCAATAT	TTTTTAACTT	AAAGAGCCAC	CCATCTCTTT
39901	AGAGAAAGAG	CCAGAATCCC	AGGCAGGGGC	TATCTTATTC	CAGAGCCCAA
39951	GCTCTCAAAC	ACATGATACA	CAATACTTAA	TCTCTCTCAA	GTCAGAGGAG
40001	ATCCACTTAA	GTATACATCC	ATCCACATAT	TCATTCATTC	AATCATTCAA
40051	CAAATATTAG	TTGAGCACTT	ACCGTATGCC	AAACAGTCAA	ACGTGAATAG
40101	CTGTTACAAA	TGAGACTGTG	AAGGATGGTA	CAACGCAGAT	TCAGACAGTG
40151	TGATAAGGAA	ATATTGAGAA	GCAAAGATGA	GTTCTGGAGT	GAATTTGTAA
40201	AGGTGGATGT	GGGCTTGGAT	TTCAATAATG	GCAGAACTTA	AGGAATCTGA
40251	TGAGAAGTGG	GCACTTCAGG	CAGAGAGAAG	AGCTTGAACA	AGGCTCAGAG
40301	GCTGACAGTG	CAGGAAACAC	ATGGGAAGAG	GGAATAGAGT	AGCGGTCAAG
40351	AATTCACAGA	GGAGTTATAG	GTGAAGATGC	AACCAAGTTA	CAGACCAAGG
40401	TAAGATAGGG	GAATACCAAT	CACAATCTCT	TTTCCCATTTC	CAGAAGCATC
40451	CCAGACACAT	CCTAGTAACC	GAGAGACATT	TCTCTCCCTT	TCCTCCTGTG
40501	GAGAATAAAT	AAGCTATTGC	AAGTCCAGTA	AGTGTAATCA	TTTTGTTCAA
Exon 6					
40551	ATTGTGTGCC	CATTCCCCAA	TTTACAGGAC	TACACACAGG	AGGGACAAAA
40601	<u>AGAATGGAGA</u>	<u>CCACAACCAC</u>	<u>AGCTCTGAAG</u>	<u>ACCACCACCA</u>	<u>CAGCTCTGAA</u>
40651	<u>GACCACTTCC</u>	<u>AGAGCCACCT</u>	<u>TGACCACCAG</u>	<u>TGTCTATACT</u>	<u>CCCACTTTGG</u>
40701	<u>GAACACTGAC</u>	<u>TCCCCTCAAT</u>	<u>GCATCAATGC</u>	<u>AAATGGCCAG</u>	<u>CACAATCCCC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
40751	<u>ACAGAAATGA TGATCACAAC CCCATATGTT TTCCCTGATG TTCCAGAAAC</u>
40801	<u>GACATCCTCA TTGGCTACCA GCCTGGGAGC AGAAACCAGC ACAGCTCTTC</u>
40851	<u>CCAGGACAAC CCCATCTGTT TTCAATAGAG AATCAGAGAC CACAGCCTCA</u>
40901	<u>CTGGTCTCTC GTTCTGGGGC AGAGAGAAGT CCGGTTATTC AAACCTCTAGA</u>
40951	<u>TGTTTCTTCT AGTGAGCCAG ATACAACAGC TTCATGGGTT ATCCATCCTG</u>
41001	<u>CAGAGACCAT CCCAACTGTT TCCAAGACAA CCCCCAATTT TTTCCACAGT</u>
41051	<u>GAATTAGACA CTGTATCTTC CACAGCCACC AGTCATGGGG CAGACGTCAG</u>
41101	<u>CTCAGCCATT CCAACAAATA TCTCACCTAG TGAAC TAGAT GCACTGACCC</u>
41151	<u>CACTGGTCAC TATTTCTGGGG ACAGATACTA GTACAACATT CCCAACACTG</u>
41201	<u>ACTAAGTCCC CACATGAAAC AGAGACAAGA ACCACATGGC TCACTCATCC</u>
41251	<u>TGCAGAGACC AGCTCAACTA TTCCCAGAAC AATCCCCAAT TTTTCTCATC</u>
41301	<u>ATGAATCAGA TGCCACACCT TCAATAGCCA CCAGTCCTGG GGCAGAAACC</u>
41351	<u>AGTTCAGCTA TTCCAATTAT GACTGTCTCA CCTGGTGCAG AAGATCTGGT</u>
41401	<u>GACCTCACAG GTCACTAGTT CTGGGACAGA CAGAAATATG ACTATTCCAA</u>
41451	<u>CTTTGACTCT TTCTCCTGGT GAACCAAAGA CGATAGCCTC ATTAGTCACC</u>
41501	<u>CATCCTGAAG CACAGACAAG TTCGGCCATT CCAACTTCAA CTATCTCGCC</u>
41551	<u>TGCTGTATCA CGGTTGGTGA CCTCAATGGT CACCAGTTTG GCGGCAAAGA</u>
41601	<u>CAAGTACAAC TAATCGAGCT CTGACAAACT CCCCTGGTGA ACCAGCTACA</u>
41651	<u>ACAGTTTCAT TGGTCACGCA TCCTGCACAG ACCAGCCCAA CAGTTCCTG</u>
41701	<u>GACAACTTCC ATTTTTTTTCC ATAGTAAATC AGACACCACA CCTTCAATGA</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
41751	<u>CCACCAGTCA TGGGGCAGAA TCCAGTTCAG CTGTTCCAAC TCCAAGTGT</u>
41801	<u>TCAACTGAGG TACCAGGAGT AGTGACCCCT TTGGTCACCA GTTCTAGGGC</u>
41851	<u>AGTGATCAGT ACAACTATTC CAATTCTGAC TCTTTCTCCT GGTGAACCAG</u>
41901	<u>AGACCACACC TTCAATGGCC ACCAGTCATG GGAAGAAGC CAGTTCCTGCT</u>
41951	<u>ATTCCAAGTC CAACTGTTTC ACCTGGGGTA CCAGGAGTGG TGACCTCTCT</u>
42001	<u>GGTCACTAGT TCTAGGGCAG TGACTAGTAC AACTATTCCA ATTCTGACTT</u>
42051	<u>TTTCTCTTGG TGAACCAGAG ACCACACCTT CAATGGCCAC CAGTCATGGG</u>
42101	<u>ACAGAAGCTG GCTCAGCTGT TCCAAGTGT TTACCTGAGG TACCAGGAAT</u>
42151	<u>GGTGACCTCT CTGGTTGCTA GTTCTAGGGC AGTAACCAGT ACAACTCTTC</u>
42201	<u>CAACTCTGAC TCTTTCTCCT GGTGAACCAG AGACCACACC TTCAATGGCC</u>
42251	<u>ACCAGTCATG GGGCAGAAGC CAGCTCAACT GTTCCAAGT TTTACCTGA</u>
42301	<u>GGTACCAGGA GTGGTGACCT CTCTGGTCAC TAGTTCTAGT GGAGTAAACA</u>
42351	<u>GTACAAGTAT TCCAAGTCTG ATTCTTTCTC CTGGTGAAGT AGAAACCACA</u>
42401	<u>CCTTCAATGG CCACCAGTCA TGGGGCAGAA GCCAGCTCAG CTGTTCCAAC</u>
42451	<u>TCCAAGTGT TCACCTGGGG TATCAGGAGT GGTGACCCCT CTGGTCACTA</u>
42501	<u>GTTCCAGGGC AGTGACCAGT ACAACTATTC CAATTCTAAC TCTTTCTTCT</u>
42551	<u>AGTGAGCCAG AGACCACACC TTCAATGGCC ACCAGTCATG GGGTAGAAGC</u>
42601	<u>CAGCTCAGCT GTTCTAACTG TTTACCTGA GGTACCAGGA ATGGTGACCT</u>
42651	<u>CTCTGGTCAC TAGTTCTAGA GCAGTAACCA GTACAACTAT TCCAAGTCTG</u>
42701	<u>ACTATTTCTT CTGATGAACC AGAGACCACA ACTTCATTGG TCACCCATTC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
42751	<u>TGAGGCAAAG ATGATTTTCAG CCATTCCAAC TTTAGCTGTC TCCCCTACTG</u>
42801	<u>TACAAGGGCT GGTGACTTCA CTGGTCACTA GTTCTGGGTC AGAGACCAGT</u>
42851	<u>GCGTTTTCAA ATCTAACTGT TGCCTCAAGT CAACCAGAGA CCATAGACTC</u>
42901	<u>ATGGGTCGCT CATCCTGGGA CAGAAGCAAG TTCTGTTGTT CCAACTTTGA</u>
42951	<u>CTGTCTCCAC TGGTGAGCCG TTTACAAATA TCTCATTGGT CACCCATCCT</u>
43001	<u>GCAGAGAGTA GCTCAACTCT TCCCAGGACA ACCTCAAGGT TTTCCACAG</u>
43051	<u>TGAATTAGAC ACTATGCCTT CTACAGTCAC CAGTCCTGAG GCAGAATCCA</u>
43101	<u>GCTCAGCCAT TTCAACAAC TTTTCACCTG GTATACCAGG TGTGCTGACA</u>
43151	<u>TCACTGGTCA CTAGCTCTGG GAGAGACATC AGTGCAACTT TTCCAACAGT</u>
43201	<u>GCCTGAGTCC CCACATGAAT CAGAGGCAAC AGCCTCATGG GTTACTCATC</u>
43251	<u>CTGCAGTCAC CAGCACAACA GTTCCCAGGA CAACCCCTAA TTATTCTCAT</u>
43301	<u>AGTGAACCAG ACACCACACC ATCAATAGCC ACCAGTCCTG GGGCAGAAGC</u>
43351	<u>CACTTCAGAT TTTCCAACAA TAACTGTCTC ACCTGATGTA CCAGATATGG</u>
43401	<u>TAACCTCACA GGTCAGTAGT TCTGGGACAG ACACCAGTAT AACTATTCCA</u>
43451	<u>ACTCTGACTC TTTCTTCTGG TGAGCCAGAG ACCACAACCT CATTTATCAC</u>
43501	<u>CTATTCTGAG ACACACACAA GTTCAGCCAT TCCAACCTC CCTGTCTCCC</u>
43551	<u>CTGGTGCATC AAAGATGCTG ACCTCACTGG TCATCAGTTC TGGGACAGAC</u>
43601	<u>AGCACTACAA CTTTCCCAAC ACTGACGGAG ACCCCATATG AACCAGAGAC</u>
43651	<u>AACAGCCATA CAGCTCATTC ATCCTGCAGA GACCAACACA ATGGTTCCCA</u>
43701	<u>GGACAACTCC CAAGTTTTCC CATAGTAAGT CAGACACCAC ACTCCAGTA</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)	
43751	<u>GCCATCACCA GTCCTGGGCC AGAAGCCAGT TCAGCTGTTT CAACGACAAC</u>
43801	<u>TATCTCACCT GATATGTCAG ATCTGGTGAC CTCACTGGTC CCTAGTTCTG</u>
43851	<u>GGACAGACAC CAGTACAACC TTCCCAACAT TGAGTGAGAC CCCATATGAA</u>
43901	<u>CCAGAGACTA CAGCCACGTG GCTCACTCAT CCTGCAGAAA CCAGCACAAC</u>
43951	<u>GGTTTCTGGG ACAATTCCCA ACTTTTCCCA TAGGGGATCA GACACTGCAC</u>
44001	<u>CCTCAATGGT CACCAGTCCT GGAGTAGACA CGAGGTCAGG TGTTCCAACT</u>
44051	<u>ACAACCATCC CACCCAGTAT ACCAGGGGTA GTGACCTCAC AGGTCACTAG</u>
44101	<u>TTCTGCAACA GACACTAGTA CAGCTATTCC AACTTTGACT CCTTCTCCTG</u>
44151	<u>GTGAACCAGA GACCACAGCC TCATCAGCTA CCCATCCTGG GACACAGACT</u>
44201	<u>GGCTTCACTG TTCCAATTCG GACTGTTCCC TCTAGTGAGC CAGATACAAT</u>
44251	<u>GGCTTCCTGG GTCACTCATC CTCCACAGAC CAGCACACCT GTTTCAGAA</u>
44301	<u>CAACCTCCAG TTTTCCCAT AGTAGTCCAG ATGCCACACC TGTAATGGCC</u>
44351	<u>ACCAGTCCTA GGACAGAAGC CAGTTCAGCT GTACTGACAA CAATCTCACC</u>
44401	<u>TGGTGCACCA GAGATGGTGA CTTACAGAT CACTAGTTCT GGGGCAGCAA</u>
44451	<u>CCAGTACAAC TGTTCCAACT TTGACTCATT CTCCTGGTAT GCCAGAGACC</u>
44501	<u>ACAGCCTTAT TGAGCACCCA TCCCAGAACA GAGACAAGTA AACATTTCC</u>
44551	<u>TGCTTCAACT GTGTTTCCTC AAGTATCAGA GACCACAGCC TCACTACCA</u>
44601	<u>TTAGACCTGG TGCAGAGACT AGCACAGCTC TCCCAACTCA GACAACATCC</u>
44651	<u>TCTCTCTTCA CCCTACTTGT AACTGGAACC AGCAGAGTTG ATCTAAGTCC</u>
44701	<u>AACTGCTTCA CCTGGTGTTT CTGCAAAAAC AGCCCCACTT TCCACCCATC</u>

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
44751	<u>CAGGGACAGA</u>	<u>AACCAGCACA</u>	<u>ATGATTCCAA</u>	<u>CTTCAACTCT</u>	<u>TTCCCTTGGT</u>
44801	TTACTAGAGA	CTACAGGCTT	ACTGGCCACC	AGCTCTTCAG	CAGAGACCAG
44851	<u>CACGAGTACT</u>	<u>CTAACTCTGA</u>	<u>CTGTTTCCCC</u>	<u>TGCTGTCTCT</u>	<u>GGGCTTTCCA</u>
44901	<u>GTGCCTCTAT</u>	<u>AACAACTGAT</u>	<u>AAGCCCCAAA</u>	<u>CTGTGACCTC</u>	<u>CTGGAACACA</u>
44951	<u>GAAACCTCAC</u>	<u>CATCTGTAAC</u>	<u>TTCAGTTGGA</u>	<u>CCCCCAGAAT</u>	<u>TTTCCAGGAC</u>
45001	<u>TGTCACAGGC</u>	<u>ACCACTATGA</u>	<u>CCTTGATACC</u>	<u>ATCAGAGATG</u>	<u>CCAACACCAC</u>
45051	<u>CTAAAACCAG</u>	<u>TCATGGAGAA</u>	<u>GGAGTGAGTC</u>	<u>CAACCACTAT</u>	<u>CTTGAGAACT</u>
45101	<u>ACAATGGTTG</u>	<u>AAGCCACTAA</u>	<u>TTTAGCTACC</u>	<u>ACAGGTTCCA</u>	<u>GTCCCCTGT</u>
45151	<u>GGCCAAGACA</u>	<u>ACAACCACCT</u>	<u>TCAATACACT</u>	<u>GGCTGGAAGC</u>	<u>CTCTTTACTC</u>
45201	<u>CTCTGACCAC</u>	<u>ACCTGGGATG</u>	<u>TCCACCTTGG</u>	<u>CCTCTGAGAG</u>	<u>TGTGACCTCA</u>
45251	<u>AGAACAAGTA</u>	<u>AGAATAACTT</u>	<u>TTTTATTGTG</u>	<u>GTAAAATATA</u>	<u>AATACTATAA</u>
45301	AAATTGCCAT	TCTAAACATT	TTAATTGTAC	AACTCAGCAG	TACTAATACA
45351	TTCACATTGT	TGTGCAACCC	TCACCACTAT	CTGTTTTCAA	AACTTTTTTT
45401	ATCACCCCAA	ACAGGACTGA	AGGAATAATT	TCCCATTCCC	CATTCTCCCT
45451	AGTGCAGTGG	TGCAATCTCG	GCTCACCACA	ACCTCTGAAC	CTCTGTCTCC
45501	TGGGTTCAAG	CAATTCTCCT	GCATCAGCCT	CCTGAGTAGT	TGGGACTACA
45551	GGTGCACGCC	ACCGTGCCTG	GCTAATTTTT	GTATTTTTAG	TACAGACAGG
45601	GTTTTACCAT	GTTGGTCAGG	CTGGTCTCAA	ACTCCTGACC	TCAGGTGGTC
45651	CACACGCCTT	GGCCTCCCAA	AGTGCTGGGA	TTACAAGTGT	GAGACACTGT
45701	GCCCGGCCAT	ATCTGTTAGA	TCTTACTAAT	CCTGTCAAGA	GGATTCAGTG

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
45751	TCCTTTTTTT	TTTTTCTTTC	TTTTTTTTTGA	TAGAGTCTCC	CTCTGGCACC
45801	CAGGCTGGAG	TGCAGTGGTA	CGGTCTTGGC	TCACTGCAGC	CTCCACCTCC
45851	CAGACTGAAG	CGATTCTCCT	GCCTCAGCCT	CCCGAATAGC	TGGGACTACA
45901	GGCGCGTGCC	ACCACGCCCA	GCTAATTTTT	GCATTTTTTAG	TAGAGATGGG
45951	ATTTCACTAT	GTTGGCCAGG	CTGGTCTCAA	ACTCCTGATC	TCAAGTGATC
46001	CGCCCAAGGG	CCTCCCAAAG	TACTGGGATT	ACAGGTAGGA	GCCACCTCAC
46051	CTGGCCCTAT	TTTCGGAATG	GATTTTTTTT	TAATGTTTAA	AATGTCACCT
46101	AAGATTATTG	TGAAGATCAA	ATAAGATAAA	ATCCTAATAA	CCCAAGTAAA
46151	CCACAGGGCT	CCACTTGGAC	CAGTCTCAGA	AGTTTCAAGA	AAATCAGTCA
46201	GACCATCAAA	TGTAAAATAA	GTCTAAATTT	TCTTTGCACT	ATTCACAGAG
46251	TGCCAAAGAG	GATCTAATTC	ATGTTTCAGA	ACATACCCTA	CTTACTAAAA
46301	TCCCCTTTTC	CTCATTTCTT	CTCATCTGTC	AACTTTATCA	TCTCCTGCGG
46351	ACCCCTTAGC	CTCTCCCCTC	CCCATAGTCA	GTCTCTCTCT	CTCTCTTTCC
46401	CTCCCCTCTT	ATTATCTCAA	TTTCACACGA	AAGAATTCCA	GAAACTATAC
46451	TGCCAAAAGT	CTTTCCTGTC	TTTGAAAAGT	TGGGAAAGAG	GAGAAACTCA
46501	GACAGCAATG	ACAAAATTAT	ACGTAATGGA	TGAAGGAAAC	ACAAATAAGG
46551	CTGGAAACAG	AAAATTTTGT	CCCCATCATT	TATTTAATGA	AGGTGGCAGT
46601	ATTCCAGCCA	CATAGTGAAC	CCCCACAATA	AGAAGGGGCC	TCTGGCGATT
46651	GATTATTGTC	ATTGTTGTTA	ATGATAATGA	GGGTGAGGAT	ATCATGAGCA
46701	TCAGTGTAGG	AGGCAGTTAA	CTAATAAGAC	CAAGCTGTTG	GCTGGGCGTG

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
46751	CTGGTTCACA	CCTGCAGTCC	CAGCACTTTG	GGAGGCCAAA	GTGGGTGGAT
46801	CACTTGAGGT	CAGGAGTTCA	AGACTAGCCT	GGCCAACATG	GTGAAACCTG
46851	GTCTCTACCA	AAAATACAAA	AATTAGTCAG	GTGTGGTGGC	GTGTGCCTGT
46901	AATGACAACT	ACTTGGGAGG	CTGAGGCAGG	AGAATCACTT	GAACCTGGGA
46951	GGCGGAGGCT	GCAGTGAGAT	GAGCTTGAAC	CACTGCACTC	CAGCCCGGGC
47001	AACAGAGAGA	GACTCTTGTC	TCAAAAAACA	AAACAAACAA	ACAAAAACTA
47051	AACCAAACAA	AAAAAGACTA	GCTGTTATTC	ATTTATTTAT	TTATTTATTT
47101	AGAGACGGAG	TCTCGCTCTG	TCACCCAGGC	TGGAGTGCAG	CGGCACAATC
47151	TTGGCTCACT	GCAACCTCTG	CCTCCCAGGT	TCATGTGATT	CTCCCGCCTC
47201	AGCCTCCCCA	GCTGTTGTTA	TTCATGAATG	AACCTCAGAG	AAAGCACACA
47251	GGAGGGTTGG	TGCACCTGTG	TTTTGAGTTC	TACCCCTCCT	TCCTCTCTTA
47301	ACTTCCTCCT	GTCTTCTCAC	TCTGATTCGT	TCTTCCTTCC	TCTCCCTCTC
Exon 7					
47351	TCTCTGCAGG	TTATAACCAT	CGGTCCTGGA	TCTCCACCAC	CAGCAGTGAG
47401	TAAACATGGC	CCTGAAGTCC	CTATGCCCTG	GGAATTCTTC	CTCCCTAAGC
47451	CTGCCTTCCA	GGAGGAAAGT	ATCCCCCATT	CCCTAGGTTC	TCATCCCCAC
47501	AGAAACTCCA	GAATAGCAAA	AGTCTCAGGC	TGAGCCAAGG	CACAGATGCC
47551	AGTGCTCACC	AAGAGTCCTA	TTCTCCCCTC	GCTAAATGAT	AGGACCCAAC
47601	AAACCCGATT	CACGCTGCGT	TTTCTTTCAG	CTCCGATGAC	CTCCATGTTC
47651	TCTCCAAGGC	CTCTCGTATC	TGTGAGCCCC	ACCCCCAGCG	CTACAGGTAG

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
47701	GAATCTGGCT	TCCAGCTCCC	ATGAAACGTC	GGCTGCCATT	CAGTGGCTGA
47751	TTAATTGCTG	TGTGGTCTGA	GTCCTGATGC	CCACCAAGTC	TCAGCGTGTT
47801	CCCCTCTGTC	CAATCTCATC	CAACAATTTA	AGCTAATGCT	TGTTTAATGA
47851	TGTCCTCACT	ATACCACCTT	GGACACTTTC	TTTTTGCCTG	GATTTAAAGC
47901	TTCCATTTCT	TTCCTTCCTT	CCTTCTTTTC	TTCCTTCCTT	CCTTCCTTCC
47951	TTCCTTCCTT	CCTTCCTTCC	TTCCTTCCTT	CCTTCCTTCC	TCCTTCCTTC
48001	CTTCCTTTCT	TCCTTTCTTC	CTGTCTTTTT	CTTTCTTTCC	TTCTTTTGGC
48051	AGAGTCTCAC	TCTGTCGCCC	AGGCTGGAGT	GCAATGGTGC	AATCTCGGTT
48101	CACTGCAACC	TCTGCCTCCC	AGGTTCAAGC	GATTCTCATG	CCACATGCCA
48151	CTATGCCTGG	CTAATTTTTG	TTTTTTTGTT	TTTTGGGGGG	TTTTTTGAGA
48201	CAGAGTCTCA	GTCTGTTGCC	CAAGCTGGAG	TGCAGTGGCA	TGATCTCGGG
48251	TCACTGCAAC	CTCCTTCTCC	CAGGTTCAAG	CGATTTTCCT	GCCTCAGCCT
48301	CCTGAGTAGC	TGGAACTACA	GGCACGCACC	ATCACACCGG	CTAATTTTTT
48351	GTGTTTTTAG	TAGAGACGAC	GGTTTTGCAA	TGTGGGCCAG	GCTTGTCTCG
48401	AACTCCTGAC	CTCAAGTGAT	CCTCCAGCCT	CGGCCTCTCA	AAGTGCTGGG
48451	ATTACAAGTG	TGAGCCACTG	CACCAGGCCA	AAAACCTGTA	TTTCAATAGT
48501	CATTGAGGCT	GGGTGCAGTG	GCTCACGCCT	GTAATCCCAG	CACTTTGGGA
48551	GGCTGAGGCC	AGTGGATCAT	GAGGTCAGGA	GATCAAGACC	ACCCTGGCTA
48601	ACACAGTGAA	ACCCCATCTC	TACTAAAAAT	ACACACAAAA	ATTAGCCGGG
48651	CATGGTGGCA	AGATGCCTGT	AGTCCCAGCT	ACTCAGGAGG	CTGAGGCAGG

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
48701	AGAATGGCGT	GAACCTGGGA	GGCAGAGCTT	GCAGTGAGCG	GAGATCGCAC
48751	CGCTGCACTC	CAGCCTGGGC	AACAGAGAGC	GACTCTGTCT	CAAAAAAAAA
48801	AATATATATA	TATATATATA	TATATTCATT	GAGACCGACT	CTGACTTAAA
48851	AGCAGTAATG	AATGGTGTAG	GTTTTGGTAA	ATTACAGGTC	TTGCTTTAAG
48901	TCCTGGTCCT	CTCTTTTGCT	CACTGTGTGG	CCCCGGAAGA	GCCATGTAAC
48951	CTCTCCAGGC	TTCAGTGTCC	ATTTTTAGAA	CGGAGTAAGT	GAATAAGCTG
49001	TGTCCAATCA	TCTCTGGCCA	TATCAGCTTC	ATTTTTTTTT	TCCTCCAGGG
49051	TCCAAACATC	CCTCCACCCT	CAGAGTCTTT	GCACCTGGTG	TTCTTGTCCT
49101	TCAAATCTCA	GCTTGGATCA	CCCTTTATAA	AGTAGCATTT	CCCCCGTATA
49151	CGCATCTTGC	ACACAGCCAA	TCTCTATTCT	ACCTCTATGC	TCACTTCCTT
49201	CCTGGCAATT	ATTACTACAG	CTGGGCCCTT	GAACAGCATG	AGGGTTCAGG
49251	GTGCTGACCC	CTATGCATTC	AAAAATCCAC	ATATAACTTT	TTTTTTTTTG
49301	AGATGGAGTT	TCACACTTGT	TGCCCAGGCT	GGAGTGCAGT	GGCGCCATCT
49351	TGGCTCACTG	CAAACCTCTG	CTCCTGGGTT	CAAGTGATTC	TCCTGCCTCA
49401	GCCTCCTGAG	TAGCTGGGAT	TACAGGCATG	TGCCACCATG	CCCAGCTAAT
49451	TTTGTATTTT	TAGTAGAGAT	GAGGTTTCTC	CATGTTCGCC	AGGCTGCTCT
49501	TGAACTCCTG	ACTTCAGGTG	ATCCGCCTGC	CTTGGCCTCC	CAAAGTGCTG
49551	GGATTACAGG	CATGAGCCAT	GATGCCCCGC	CATTTGCTAA	TGGCATCTAG
49601	TAAGTAGAGG	CCAGAGATGT	TGCAAAACAT	CCAACAATGC	ACAAAGCAGC
49651	CTCCTATCAA	AACACATTAT	CCAGACCAAA	ATGTCAATAG	GGCTGAGGTT

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
49701	GAGCATCTGC	TGTACACAGA	TTCCAAGTTC	TGGTACAAAT	CTCGTAGTTC
49751	TCTGAGGGCT	CATCTTTCAA	TGCCTAGCAC	ATCAAAGGAG	GCCAATTTCC
49801	TCTTCCCTTT	CACCTCCTGG	TATGAAATGT	TTCCTCCTCC	ACCTTGATCC
49851	TGTAAGAGCC	CAGCTGGAGT	TTGCAGACGA	CGGGGAAAGA	AATGGGTGAG
49901	GGAGGGTCCT	ATGGTTGAGT	CTCCGCAGTG	GGCCCTGGGT	GCCCAGTTCA
49951	CCCTCCTCCC	CTTCATTTTC	TCCATCATGA	CAACTCAAGG	CAAATTCTCA
50001	GTTTCCATGG	GCCAGTGGA	TCCACTGACT	TCATGAAATA	ACCCACCCCT
50051	GAGCAAATAC	CCCTCAAATA	ATAACTGTTT	ACACAACATC	AGTGGCAACA
50101	ATGACCCAAG	CAGCAATGCC	ACCACCAGAA	TAGCAACCAT	AACAGCAGCT
50151	CATTTTCATC	AAAAGGAAAC	TGTAGGGCCA	GGCACAGTGG	CTCACACCTA
50201	TATTCCCAGC	ATTTTGGGAG	GCTGAGGCAG	GCAGATCACC	TGAGGTCAGG
50251	AGTTCAAGAC	CAGCCCAGCC	AACATGGTGA	AACCCCATCT	CTACTAAAAA
50301	TACAAAAACT	AGCCAGGCTT	GGTGGCATGT	GCCTGTAATC	CTAGCTACTC
50351	GGGAGGCTGA	GGCAGGAGAA	TTGCTTGAAC	CTGGGAGGCA	GAGGTTGCAG
50401	TGAGCTGAGA	TTGTGCCACT	GCACTCCAGC	CTGGGCGACA	GAGCAAGACT
50451	CCGTCTGAAA	AAAAAAAAAA	AAGGAATTGT	GCCAGGAATT	GTGATGAGAA
50501	CTTTATATGC	ATTATCTCCT	ATTAATATTA	CCCAAACCTC	CGTGAGTTAC
50551	TATACTCATT	TCTACAGAGA	GCATTTATGC	ATCCAGGGAG	GAAGTAATTA
50601	GCCCAGAATT	ACTCAGTTAT	GACACAGGAC	AGTATGAAAA	CTCCAACCGA
50651	AGATTGGAGA	CTCATGAAAA	CTCCAGGCTC	CTAACTACAA	GACATCACTG

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
50701	TGGATCGTCC	AAATAGAGCA	AGCCCCAATC	TCAGGACAGG	AATGAGGCAT
50751	GAATGGCCTC	TATGCTAATG	ATCTAACCTA	ATGCTGAATT	TGTTACTTCC
50801	CTTCTGAATC	CACTTGGAGA	TTTCCTTTAT	ATCTGACTTG	AAATAGAGGA
50851	TATATACTCC	TCTATCCTTG	ACATAGGAGA	TAATACACAG	AAAGTATTTT
50901	ATTGTTAGTAT	CAAGTACACA	TCCTGTTCTG	TGTCCATAGG	ATTATGACTA
50951	ATTTAGGGCA	TGGCTTAACA	GTGTGGTACT	ATTGAATGAC	AGACAGATGT
51001	CTGTTTTGTT	GGATGCAGGA	CAAGCCATGT	AACCTCCCCA	GACTTTAGTG
51051	TCCCCTCTGT	GGAATGGAAT	AAAAATACTA	CGTGGGATTG	TTCTGATAAT
51101	CAAATGAGAT	AATTCAGGAA	CAACCCAGAT	AAATAACAGG	GCTGCCCTGG
51151	GTTCTGTCTT	TCCTTGTATC	TCTCACAGAG	CCTCAAAGGA	GATGCAATCC
51201	ATGACCTAGA	GAAACACTCA	GGACAAATTC	TCTTTTCCCC	AGTTCCTTTC
51251	TTGCTCCAAT	GGCAACACCA	CCCCTCTCAT	CCTGAAGTCT	CTTGTTTTTA
51301	CCACCACACC	TATTTTGCCA	AATTTTCTCC	AATATTCCAA	ACCATATGAA
51351	ACCTTTCTTT	CTTTCTTTTC	TTTCCTTCCT	TTCCTTCTTT	CTTTCTTTTT
51401	TCTCTTCTTT	TCTTTTCTTT	TTGAGACATG	GTCTCACTCT	GTTGCACAGG
51451	CTGGAGTGCA	ATGGCACGAT	CTTTGCTCAC	TGCAACCTCC	GCCTCCCAGG
51501	TTCAAGAGAT	TCTCTTGCCT	CAGCCTCCTG	AGTAGCTGGG	ATTACAGGCG
51551	CCCACCGCCA	CGCCACGCTA	ATTTTTGTGT	TCTTAGTGGA	GACGGGGTTT
51601	CGCCATGTTG	GCCAGGCTGG	TCTTGAACTC	CTGACCTCAA	GTGATTTGCC
51651	CATCTCGGTC	TCCCAAAGTG	CTAGGATTAC	AGGCGTGAGC	CACCAAGCCC

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
51701	GGCCCCATAT	GAACCGTTTC	TATCCCTCAT	TTCTCTGTAC	TTTACCTAA
51751	AAACACCACT	CCCTTCACCC	ATCACATTTT	TGTCAATTCT	ACATCACACA
51801	CACACACACA	CACACACACA	CACACACAGA	GAAAGTAAGT	TGGAAAAAAA
51851	TTATACTATC	ATGAAATTTT	GTGAAAGGAG	GTAAGCTGAG	AGAGTAAGAA
51901	TCAAATAAAA	TTATCTTTAT	GGGTAGAAAG	CACACTCATC	CATACATGTG
51951	TCTTTCCACC	CTTGTAATGT	ATTTATTATT	ATTGTTTGTA	TATACTAGAT
52001	TCCCAATAAA	TAGGGACAGC	TATTATGGTA	TTTTTATTTT	AGGAATAATA
52051	ATAGTGATGA	TTTCCACCAT	TATTGTCAAA	GGACAAAGCA	CAAAATATGT
52101	ACCAAATAAA	ATATAGCCAT	TATCCTTTAT	TCACAAAAGA	TCTTGGCCCC
52151	ACCTCTTCTC	AATGAAATGT	CCATGACTTG	TTCAACTTTG	GCCACTCTGG
52201	GCTGAGAGAT	GGAGGTTCCT	TTGCGAGCTG	AAGTCACACA	TCGAAGGTGG
52251	AAGCCCCTCC	CCTCCCTCTG	GCTGGCTGAG	GGATAGCCCA	GATGGGCTCA
52301	TCATGAAAGT	TTCCCATTAT	TTCCATTTCT	GGATCTACCA	TCTTCCCCTC
52351	CCCTACCTCT	CACCCATCAT	AATTGTCCTT	CTTTACTCTT	TCCTCCCTAT
Exon 8					
52401	CTGCAGGTTA	TAACCGTCGG	TACTGGACCC	CTGCCACCAG	CAGTGAGTAT
52451	TCAAACCTGT	GATATTCCAA	TGCCCTTGGG	ACCCTTCCTC	CCCAAGGTGC
52501	ATTCCTCAGA	AGAGAAACTG	ATCATTCTCC	CTCCCTACGT	GCCCAGCCAC
52551	AGCCTCAGAG	CAGCCCCTAA	CCCGTCAAGG	TCTTGGTGTG	AGTCAAGATA
52601	GAAGTCCAAA	TTCCAATGAG	CAGTTCCTGT	CCCATATTCC	TTTAGGAAGA

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence
(SEQ ID NO: 1)

Exon 9

52651 CACCCAATCA TTTCTCCATG TTCTTTTTTT CTCAGCTCCA GTGACTTCTA
52701 CATTCTCCCC AGGGATTTC ACATCCTCCA TCCCCAGCTC CACAGGTAGG
52751 AAGCTCCTCT CTGGCATCTA TGAAATTAA CACTGCATGG TCTGTTCCCT
52801 GCTGACCACC CAGACTCAGC CTGTTCCACT CGCCCTCTCA CTCTCTCTCT
52851 CTCTCTTTTT TTTTTTTTTT TTTTTTTTTT TTTACGGAGT CTTGCTCTGT
52901 CACCCAGGCT GGAGTGAAT GGTGTGATCT CGGCTCACTG CAACCTTCGC
52951 CTCCCAGGTT CACGTGATTC TCCTGCCTCA GCCTCCGGAG TAGCTGGGAT
53001 TACAGGTGCA CACCACCATG CCTGGCTAAT TTTTGTATT TTTAGTAGAG
53051 ACGGGGTTTC ACCATGTTGG CCAGGCTGGT CTTGAACTCC TGACCTCAAG
53101 TGATCTACCC ACCTTGGCCT CCCAAAGTGC TGGGATTATA GGCATGAGCC
53151 ACCACGCCAG GCCCACTCTC TAAATTTTGA CCACCCTGCC TTGAGTGGTC
53201 TTCTAGCACC CTAACCTCTG TCTAACCTCG AGAGCTTTGC ACTAGCGATT
53251 CCTGGGGACC AGCTATGGTT GGTATCTTCT CAACTTTCTA ATTTTTTTAA
53301 AATTATTATT ATTATTATTA TTATTTTAAA TGGAGTCTCG CTCTGTCACC
53351 CAGGCTGGAG TGCAGTGGCA CCATCTCGGC TCATTGCAAC CTCTACCTCC
53401 CGGGTTCATG CAATTTTCCT GCCTCAGCCA GAAATTTTCT CAGTGGTCTGA
53451 GATTGTGCCA CTGCACTCCA GCCTGGGCAA TGGAGCTAGG CTCCATCTCA
53501 AAAAAAAAAA AAAAAAGACG GAGGTCGGGC ATTCCTAACC CTTAACCTG
53551 CCTTGTGATT CTGGAGTTAT GAGATAGAAC CTGGTGTCCC GTAATTAAAA

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
53601	TTCCGCCTTC	AGGCCTTATG	TTTTGTGAGT	CACAACACTG	CAAACTTTTT
53651	ACATGCTGTA	GACAGGATGT	TCACTCTCCA	CTTCCTCACT	GCTCTGCTCT
53701	AATCAATTCA	ACCATTTATG	TGACATGCCT	AACCCCTCTG	GGCTTGTACG
53751	TATGTAACAT	GTATTACAAA	GCAAGTCATT	CCATGATCAA	TGCTGTCACT
53801	TTTTCTAGGT	GCTTTCAAAA	TTTGTTCCTC	ATCATTGATT	TTCAGTAGTT
53851	TGATTACGAT	GTGTCTGGGC	ATGGTTTTCT	TTGAGTTTAT	CCTGCTTAAA
53901	GTGTTCTCAG	CTTCTTGAGT	CTCAAAGTGT	TTATTTTCTG	CTCTGATTCT
53951	TTCTCCCCTT	CGGACCTCCA	ATGAAATGAT	GTTGCCCGAA	GAGACCCTGA
54001	GGTTCTGTTC	ATTTTGTTAT	TTATCAATCT	TTTTTCCTCT	CCGAATTTCA
54051	GGTTTAATAA	TTTTTTTTTT	TTTTTTGAGA	CGGAGTCTCG	CTCTGTCGCC
54101	CAGGCTGGAG	TGCAGTGGCG	CGATCTCGGC	TCACCGCAAG	CTCCGCCCCC
54151	TGGGTTACAG	CCATTCTCCT	GCCTCAGCCT	CCGGAGTAGC	TGGGATTACA
54201	GGCACCCGCC	ACCATGCCCC	GCTAATTTTT	TGTATTTTTT	AGTAGAGACG
54251	GGGTTTCACC	GTATTAGCCA	GGATGGTCTC	AATCTCCTGA	CCTCGTGATC
54301	CGCCCGCCTC	AGCCTCCTAA	AGAGCTGGGA	TTACAGGCGT	GAGCCACTGC
54351	GCCCGGCCCA	GGTTTAATAA	TTTTTATAGA	ATATTTTCAC	AATCACCAAG
54401	CCTTTTCTCT	ACCAGCTCCA	TTCTGCCCCAT	CCATTGAATT	CTTTTTATCT
54451	CAGTTACTTT	ATGTTTCAGT	TCGAAAGTTT	CTACTTGGTT	AGATAGATAG
54501	ATGTTATATC	ATATATTATA	TGTTATATAA	AAATATATTT	ATGGTTATAC
54551	ATATAACATA	TATGTTATAT	ATAGTTATTT	ATATAGCCAT	AACTATATAT

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
54601	AGCCATATAT	ATAGTTATAT	ATAACCATAT	ATATAGTTAC	CATATAGTAA
54651	CCACATATAT	AAAACATATA	TATATAGTGT	CTCTCTATAT	ATAGTTATAT
54701	ATATAGTTTC	TATATCTGTA	ACTATATATA	GTTATATATG	TATGTTTCTC
54751	TGTATATAAA	TATATATATT	TCTATATATA	TAGTTATACA	CATTATATAT
54801	ATAACTGGGA	GATGTTGGTA	AAGGATGGCG	TGAGGAAACC	TGGAGCAGTC
54851	ATGGTAATCC	TCGCTCTGCT	CCGAACTCCT	CAAGAGCAGG	AGAAGGGTCC
54901	TCCTCATTCT	CCAGCCATGT	TGACTTTGAG	CAATTTACTC	ATCCTCTCAG
54951	TACCTCAGTT	TCCTCACCTG	CCAATTGAGG	ATAATAATAT	TTCATAAATT
55001	GTTTGCAAAT	GTTATATGCA	ACTCTACGTA	AGAACACCTA	GCACAGGGGC
55051	TACCAGGGAA	TTTGTTTAA	CAAATATTTA	TCAGGCACCT	ATTCTGGGCT
55101	GGGCAGGGGG	GATAAGATGT	TGACTAAGTC	AAATGCAGTC	CCTCCCCTCA
55151	CCAAGTTTAC	AGTGTATTGG	GCAAGACTGA	AATGGAACAA	GCAATTACAA
55201	TTGACAATAA	AAGACAACCA	AGTTATTGAG	CACTTACTAT	ATGGCATGCC
55251	ATATGCTATG	TATTTTTTTT	ATTTTAACT	TTTCATTTTG	AAATAAATAA
55301	TAAATATAAA	GTAAATAATA	ATATAAATAA	ATAATAAATA	ACTTTTCATT
55351	TTGAAATAAA	TAATAAATAA	ATTCAGGAGA	TGTTGCGAAA	ATAGTGTAGC
55401	ATCCCCCTGT	ATCCTTCACC	CAGTTTCTCC	CCAATGGCTA	CATCTTACAT
55451	AACTCTAATA	CAATATCAAA	AGCAGGAAAC	TGACATTGTT	AAAATCCATT
55501	TTACTGGTTT	TACACGCGTG	TGTGCATATG	TGAGCTTGTG	TATGTGCGTG
55551	TGTGTGCAGG	CATGTGTGTG	CATGCACGCC	TGTGTGTGCA	TATGTGCATG

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
55601	TGTGCATGCG	TGTGTGCATG	TGTGCATGTG	TGTGTGCATG	CGTGCGTGCG
55651	TGCGTGCATC	TGTGTGCATG	TATGCACATG	TGTGTGTGTC	TGTGCACGTG
55701	TGTGCATGCA	TGTGTGTGTG	CGTGTGTGTT	GGTAGCCCTA	TGCAATTTTT
55751	ATCACATGGG	CATAGCCCTA	TAATCACCAC	CACCATCAAG	ATTCAGAACT
55801	GTTCCATTCC	CCCAAAGATT	CCCCTCATGC	TAGCCTTCGT	AATCATGCCC
55851	ACTGAGCCCA	ACACTATTGC	ATAGAATAGC	TATTCTACTC	TCCATCTCCA
55901	TCTCTGTCTC	TACAATTTTC	TTTTGAAGAT	GTTATATAAA	TGGAAATGTA
55951	CAACATGTCA	CCTTTGAAAT	TGGCTTCTTT	TCCACTCAGT	GTAATGCCCT
56001	GGAGATGTGC	TCTTTTTAAC	AGTCATGTAA	CCTTCCTAAT	TTCCCTCCAA
56051	AATATCATTA	TGCCCCTCGC	CGCCTTTTTT	TTTTTTTTTT	TTTTTTGAGA
56101	CAGAGTCTCG	CTCTGTTGCC	CAGGCTGGAG	TGCAGTGGTA	TAATCTCAGC
56151	TCACTGCAGC	CTCCGTCTCC	CGGGTTCAAG	GGATTCCCCT	GCCTCAGCCT
56201	CCCAAGTAGC	CAGGATTACA	AGTGCATGCC	ACCACGCCTG	GCTAATTTTT
56251	GTATTTTTAG	TCGAGACGGG	GTTTCATTGT	GTTGGCCAGG	CTGGTCTCGA
56301	ATTCCTGACC	TCAAGTGATC	TGCCCCCCTT	GGCCTCCCAA	AGTGCTGGGA
56351	TTACAGGTGT	GAGCCACCGC	GCCCGACCCA	TATTGCCCAT	TGTATTACAG
56401	CGGAAGAAAC	TGAGGTATGG	ACAGGTAACA	TGTCCATGGT	CACTTGGCTG
56451	GTGAGGGGCA	GAGAGGAGAT	TTGAAACCAA	ATCTGACTCA	CTAGTGTGGC
56501	CGTAACCATG	GTAACATATG	CTCTCTACCA	TGTGGTCTCC	TCTTTATTAA
56551	AGGAAGGGCA	AGTTCTGGGA	GTTTTGGGAG	TTTTGGGCTT	GAGTGGGGAA

Table 1 (continued)

Genomic CA125 Amino Terminal Sequence (SEQ ID NO: 1)					
56601	GGGTAGCCAA	GTAAAGCAGG	TGAGAGAAGG	TCTGCTTTAA	GGACTGCTGT
56651	TTGATTTTAA	TTGTTGTTGT	TCAGTGTTCA	ATGGGATTGA	GTTGACTCTT
56701	TTTTCCCTTC	TTGTTCCCCA	AAGCATGAGA	CTGTTCCGGT	CCTTTTCCCT
56751	TTTAACTTCT	CAGCTAGAGT	TTGTTAGGGC	GGGTATGGGC	ACCTGGCAGA
56801	GTCTGAGACC	TCAGCTTCCA	GTAGGCACAC	GTTCTGACCC	AATACACCTA
56851	CCCTGGTCCC	CTAACCTGCT	TCTGGTCCCC	TAACTGCTT	CTGGGCCCAG
56901	GTAATGCATT	TTAGGAACAT	CCCACTTTTC	TCCTTACCTG	GCTTTCCATT
56951	ATCCGTCCAA	ACTAAAGCAC	CCACCTGTCT	GCTTCAGACT	CTTGCTTCAA
57001	GCACTCCGTC	TGGGTCCTCA	GAAATTGACT	TACAGTCAGT	TCAGATCTGA
57051	CTCAGGCGTG	GCCTTCTTTT	CTCCTTCCTT	GC	

Table 2

Genomic Repeats
(SEQ ID NO: 2)

ExonR1

1 AGCAGCCACA GTCCCATTC TGGTGCCATT CACCCTCAAC TTCACCATCA

51 CCAACCTGCA GTACGAGGAG GACATGCGGC ACCCTGGTTC CAGGAAGTTC

101 AACGCCACAG AGAGAGAACT GCAGGGTCTG GTGAGAGCCC CGCCCACCGT

151 ACTCCTCCCT CGCCCCTTA GACAAACCAG CCCACCTCAC ACTGCCTCGC

201 CCACTGATGC CAGCCACGCC CACCTCATCC AACCCCAGAC ACCTTTCCT

251 GCCCCACCCA CTGATTTTAG CCAAGCCCAC CTCACCCCAC CCAGCCTACT

301 GATGCCAGCC ACGCCCACCT TTCCCTGCCC CGCCCCTGA TTTCAGCCAC

351 GCCCACCTCA CCCTGGTCCA CCCCTCCAAT GCCCCACTCT TCCTGGCTTC

Exon R2

401 CCGCAGCTGT TGTTTCTCAC CTCCCCTCTC CTCCTTGCA GCTCAAACCC

451 TTGTTTCAGGA ATAGCAGTCT GGAATACCTC TATTCAGGCT GCAGACTAGC

501 CTCACTCAGG TGAGACGCTC CTTAAGAAAA ACACAGCCCA ACAGGTGAAT

551 ATGACCCTAG TCTCTGGGCT CCCTGACTCT GTTCATACTT GGAACAACCTA

601 TTGCCCATGG ATACTAAGCA TCACCACCAG CAGCAGCAGA TAACTATTCC

651 TAAGACCCAA GGCCTGTCAT TATGTACTTT ATATTTAATG CCTCATCAGT

701 GCTTGCAACA GCCTCATGAA GCAGGAGCAG AAGGGGAAAC TGAGGCCCCAG

751 ATTAAGTGGC TTGTGCCAGG ACACACAAAG CAACTGCAGC ACTTCAGGTT

801 CTATATCCAA ACTCCTATCC CTTAGGTGGC ACTTCCTCCT CTGCCCCCAT

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
851	TATGAACTTG	CAGCATGTGG	AAAACCCCAA	TCTGACTTCC	CTCTAAGGGA
901	ACTTGCCCAG	AGAATCTAAG	AGGGGAGGAA	AGGAAGGCGT	TCAGCCCTTA
951	CAGGCAGGAG	GTCAGCTCCT	GAGTGGCTCA	GATGCAGCCA	CAGAGGGCCT
1001	GGCCGGTCTG	AGGGTGACTG	AGAGGCACCG	AGGGCACTGT	CCCTGAGTGC
1051	TGGAAAGGGC	AGGTCTTTTA	GGGTAGACAG	CGGTTGATAT	CATTTCTGCT
1101	CTGGCATTCT	CACCTTCCAC	ACCTCTCTCA	CAGAATCTCC	AAGTGTGGCT
1151	CTCCCAAGAG	AGAGTGTCAG	TCATCTACCT	CCAGCTTCCT	TTCCTTCCCA
1201	GGGGGAAGAG	GGGACAGGGG	GGCCCTAGTG	GCTAAGAGCA	TTGGTGAACT
1251	CAGGCAGACC	TCAGTTCTGA	ACCAACCCAG	CTCTGCCATT	TACTATCTGT
1301	GACTCTGAGC	AAGTGCCTGA	AGCCTTCTGT	GCCCTATTTT	CTGACATATT
1351	ATATATATAA	AATACATATA	TTATATATAG	ACATATTTTA	TATACATATT
1401	GAGGCATATT	TTATAAACAT	GTTTATAGAC	ACATTTTTAT	ATGCATATGT
1451	TATATACGTA	TATAACATAT	GTTATATATA	ATGTATATAT	TATACATATT
1501	GTTATATTGT	ATACATGTTA	TATATGTTAT	AGCATATATA	GTACAAGTTA
1551	TATATAACAC	ATACATTATG	TTACATATAA	TGTATATGTT	ATATATGATA
1601	TATTATATAT	AATTATATAT	TATATAAAAC	TGTTATATAT	AATTATATAT
1651	AATATATAGT	TGTTATATAT	AATTATATAA	TTGTTATATA	TTATATACAA
1701	CATATAACAT	ACATTATATA	TTGTTATATA	TAATATAATA	TATACATATA
1751	TAACATATGT	ATAACTTTTA	TGTTATACAT	AATGTATATA	ACATATATGT
1801	GTATGTGTGA	TGTACATAAC	ATATCTGACA	TTAACATATA	ACATATGATA
1851	TAACAATATT	ATATGTTATA	ACATAATATA	TGTTATAATA	TAACAATATT
1901	ATATGTTATA	ACTTATACTG	TCATATGTAA	CATATACATA	ATATTTTATA

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
1951	AATCAGTTTA	ATATACATTA	TGTTACATAT	AATGTATGTT	ATATATGATA
2001	TATTATATAT	AATTATATTA	TACATAATTG	TTATATATAA	TGCATACATT
2051	GTATTTGTTA	CGTATTATAT	GCAACATATG	GGGATCCTCT	AGAGTCGGAC
2101	CAGCGGCAGC	AGCTGCCTGC	CTTTTNNNNN	NNNNNNNNNN	NNNNNNNNNN
2151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
2201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
2251	ATATACATAC	ATAACATATG	TATAACTTAT	ATGTTATATA	TAAGTATATA
2301	ACATATATGT	GTATGTGATG	TATATAACAT	ATCTGACATT	AACATATAAC
2351	ATATGTTATA	ATATGACATA	TTATATATAT	TACATATAAC	GTATATCATG
2401	TATAATATAA	TGTGTATATA	TAATATATTA	AAGTATATAA	GTATAAATAC
2451	ATGTAATATT	TAAATATATA	TTATATATAG	TATACATGTG	GATACATACA
2501	ACTTCTACAT	ATACCTAGTA	TATATTCTAT	ATATAAACAG	TCCATGAATT
2551	ACAATGATTC	AACTTATGAT	TTTTCAAAC	TTGTGATAAT	GCCATAGCAA
2601	TATGCATTCA	GTAGAAAGCA	TACCTTCAAC	ACCCATGCAA	CCATTCTGTC
2651	ATTCACTTTC	AGTACAATAT	TCAATAAATT	ATATGAGATA	TTCAACAGTT
2701	TATTATAAAA	TAGGCTTTGT	GTTAGGTGAT	TTTGCCCACA	TGTAGGCTAA
2751	TGTAAGGGTT	CAGAGCATGT	TTAAGGTAGG	ATAGGCTAAC	CTATCATGTT
2801	CTGTAGGTTA	GGTATAGTCG	ATTTTTATTT	TTATTTTTAT	TTTTGAGACA
2851	GAGTCTTGCT	CTGTCACCCA	GACTGGAATG	CACTGGTGCG	ATCATAGCTC
2901	ACTGCAGCCT	TGAACTCCTG	GGCTCAAGTG	ATCCTCCTAC	CTCAGCCTCC
2951	TGAGTAGCTG	GGACTACAGG	TGTGTGCCAC	CACACCTGGC	TATTTTTTTT
3001	TTAATTTTTT	TTTTTTTGTG	GAGAGGAGGG	TCTTGCCATG	TTGCCCAGGT
3051	GGCCTTGAAC	TCCTGGGCTC	AAGGAATCCT	CCCACCTTGG	CCTCCCAAAA
3101	TCCTGGGATT	ACAGGTGTGA	GCCATCACGC	CCGGCTACAG	GGCATTTTTG

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
3151	ACTTATGACA	TTTTCAGTTC	ACAATGGATT	TGTCAGGGCT	GGGCATGATG
3201	GCTCACACCT	GTCATCCCAG	CACTTTGGGA	GGCTGAGGCA	GGTGGATCAC
3251	TTGAGGCCAG	GAGTTTGAGA	CCAGGCTGTC	CAAATGGCAA	AATCTTGTCT
3301	CTACTAAAAA	TACAAAAATT	AGCCAGGCGT	GGTGTGACAA	CTGTAGTTCC
3351	AGCTACTCGG	GAGACTGAAG	CGTGAGAATC	ACTTGAACCT	AGGAGATGGA
3401	AGTTACAGTG	AGTCAAGATC	ACACCACCGC	ACTCCAGCCT	GGATGACAGA
3451	GCAAGACTCT	TGTCTCCAAA	AAACAAAAAA	CAGGCTGGGT	GCATGGCTCA
3501	TGCCTGTAAT	CCCAGCAGTT	TGGGAAGCTG	AGGCAGGTTT	ATCACCTGAG
3551	GTCAGTAGTT	CACGATCAGC	TTGGCAAACA	TGGAGAAAAC	CCATCTCTAC
3601	TAAAAATACA	AAAATTAGCT	GGATGTGGTG	GTGGGTACCT	GTAGTCCCAG
3651	CTACTCGGGA	GGCTGAGGCA	GGAGAATGGA	TTGAACCTGG	GAGGCAGAGG
3701	TTGCAGTGAG	CCAAGATCAC	ACCATTTGAAC	TCCAGCCTGG	GCAACAGAGT
3751	GAGACTCCAT	CTCCAAAAAC	AAAAGAAAGC	AAAAACAAAA	AAATAAAATA
3801	AAAAACCTGT	GTTTATCAGG	ACATAATACC	ATCATGAGTC	AAGAAGCATC
3851	TAAATGTACA	TGGTAGTTAT	ATAAAAATAG	TTATATAGTT	ATATACAATA
3901	GTTATATATA	AACCAGTTTA	ATATATGTTA	AGTAGAGGTA	TATGGTAGTT
3951	ATATAAAAAA	TAGTTATATA	ATAGTTATAG	AGTTATATAA	TTATATAAAA
4001	TAGTTATATA	TAAACCAGTT	TAATATATGT	TAGGTAGAGG	TATAATAATA
4051	TATATTGTAT	ATACTATATA	ATATAGTAAT	GTATAAAATG	CAAAACGATA
4101	TCATATATTT	CTATATTAAG	TTTATATTTA	CAGATCTACA	TTTTATATAT
4151	TTTATGTTAT	ATACAATTGT	GTTATACATA	ATATAATTAG	TATAGTACTG
4201	ACTTGGGGAA	TTGAGCAGTA	CCAACCCATA	GGGATGTTTG	AGGATGAAAA
4251	TATGTGATTA	TGAATACAAA	ATGCTGGGCC	TGCTGCATAG	GAAGTATTTA
4301	ATAAATGGTA	GTTGTTACTA	TAAAGTCGTT	CCTACTATAG	AGCTACTCAC

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
4351	AACCTGGGAC	ATAGGGAAAG	AGCCCGTTTC	CCTCTAATCA	CTCAATAGTG
4401	GGTGGCTAGG	TAGGTGAGTC	CACATCCTGT	GGCCGGGAAC	AGGTGCTGAG
4451	ACATGAAGAC	CTTCTGACTG	CATGTTGGAC	CAGCCACAGT	TTCAGACGGA
4501	CCAGCCAAAA	AGGGCATTTC	CCCCAAGCCA	TTTAGCTCCC	TTGAGTCTCA
4551	TAACAAATCT	CCTAGACCCT	GCTGGTCCAT	AGGATCTAGA	GAGGATGACT
4601	TGAACCTTCT	GATCCCACCA	TTTGAAAACG	CCATGCCATG	GGCACCAGTA
4651	GGAGGGCCAC	TGCTACGTGC	ACCAGTACAA	GGGCCACTGC	CATGGATTAC
4701	AGATTAACCC	TAAGTATAGC	TGTCGCACAC	CTAGTACTTC	AGGAGGCTTA
4751	TTCGGGGCCA	TGCAGATCCC	TGGCATTATT	ATCCTAGGAT	CCTACACCAA
4801	GCAAAGCAGG	AGCTGCCCCT	CCTCATAAAC	CCATAAGCCC	TCCTCTTGAG
4851	CAAAGCAGCT	GGGAAGGCCA	GAAGTTATTC	AAGCTCCCCT	CTGCCCCGGT
4901	TCCAAAGACA	GACAGCTCAA	GCCTACATGC	AGCAAACCCT	ATAAAAGTGT
4951	CACCTCTTGG	CATTTCTGCC	ATGGTAATGC	TTTCTGCTTC	CACTAATAAT
5001	CCTAGTAATT	TGTTTATGGT	GGGCATCTCT	CTGATGAGAA	CCACATTCTT
5051	TTTTTTTTTT	TTTTTTTTTT	TTGAGATAGA	GTCTCACTCT	GTTGCCCAGA
5101	CTGGAGTGCA	GTGGCGCGAT	CTCGGCTCAC	TGTAACCTTT	GGCTCCTAGG
5151	TTCAAGCAAT	TCTCCTGCCT	CAGCCTCCCA	AGTAGCTGGG	ACTGCAGGCA
5201	CGTACCACCA	TGCCCAGCTA	ATTTTTGTAT	TTTtagTTGA	GACGGGGTTT
5251	CACCATGTTA	GCCAGGATGG	TCTCAATCTC	TTGACCTCAT	GATCCACCTG
5301	CCTTGGCCTC	CCAAAGTGTT	GGGATTACAG	GCATGAGCCA	CCATGCCTAG
5351	CCTGAGAGCC	ACATTCTTGT	TAACCACAAT	TTTCTCAGAG	TCTGCATTAG
5401	GGGTTGACAA	AGAGTGGAAA	GGAAGGACAA	AAGGATGGAG	AGGTGGATGG

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
Exon R3					
5451	<u>ACTAAGCATA</u>	TGTAGGTTCT	TACCCAGGCC	AGAGAAGGAT	AGCTCAGCCA
5501	<u>CGGCAGTGGA</u>	TGCCATCTGC	ACACATCGCC	CTGACCCTGA	AGACCTCGGA
5551	<u>CTGGACAGAG</u>	AGCGACTGTA	CTGGGAGCTG	AGCAATCTGA	CAAATGGCAT
5601	<u>CCAGGAGCTG</u>	GGCCCCCTACA	CCCTGGACCG	GAACAGTCTC	TATGTCAATG
5651	<u>GTGAGCAGCT</u>	GTGATGTGGT	TGGAGGCTCT	TCCTCCTTGC	TGAGCAGCCT
5701	GTAATCACTG	GCTTGAGGTC	ACACTCACTG	TCAGGCAATT	GAAAATTTGG
5751	TCCTGTGCTC	TACATGGGAT	GACTAATTTT	CGGACTTCAT	GGTATCTTTT
5801	TTTTTTTTTT	TTTTTTTTTG	AGATGGAGTC	TCGCTCTGTC	ACCAGGCTGA
5851	GGTGCAGTGG	CATGATCTCA	GCTCACTGCA	ACCTCCGCCT	CCCGGATTCA
5901	AGCAATTCTC	CTGCCTCAGC	CTCCTGAGTA	GCTGGGACTA	CAGGTGCATG
5951	CCACCACACC	CAGCTAATTT	TTGTATTTTT	AGTAGAGACA	GGGTTTCACC
6001	ATGTTGGTCA	GGATGGTCTC	AATCTCTTGA	CCTTCTACTC	CACCTTGCCT
6051	TGGCCTCCCA	AAGTACTGGG	ATTACAGGCT	TGAGCCACCA	CACCTGGCCA
6101	GGACTTCATG	GTTTCTTCAT	CATCATGGAA	TGAATTCCAT	CAGGGCATTC
6151	TTCCCTGATG	TGAGGGCACT	GATAGGAAAT	CTTTAATGGT	CCCTGCTGCA
6201	TGAAACTGCT	TCCATTGCAC	CAGGGTAGCC	CTGACCCCTA	TTTGGTCCCC
6251	CACATCTCCT	TGTAACCTAC	CCACACTCCT	CCCTCCTTCT	CTGTGCAGGT
Exon R4					
6301	<u>TTCACCCATC</u>	<u>GAAGCTCTAT</u>	<u>GCCCACCACC</u>	AGCAGTGAGT	ATTCAACTCA
6351	TGTCCACATG	CCCATGATCC	TACACCAAGC	AAAGCAGGAG	CTGCCCCCTCC
6401	TCATAAACCC	ATAAGTCCTC	CTCTTGAGCA	AAGTAGCTGG	GAAGGCAGAA
6451	GTTATTCAAG	CTCCCCCTCTG	CCCCAGTTTC	AAAGACAGAC	TCAGCTCAAG
6501	CCCACATGCA	GCAAACCCTA	TAAAGTCTC	ACCTCTTGGC	ATTTCTGCCA

Table 2 (continued)

Genomic Repeats
(SEQ ID NO: 2)

6551 TGGTAATGCT TTCTGCTCTC ACTAATGAGG ACTTCTCCTC AGCTCCTGGG

Exon R5

6601 ACCTCCACAG TGGATGTGGG AACCTCAGGG ACTCCATCCT CCAGCCCCAG

6651 CCCCACGAGT AAGTACCAGT CAATGGCATC TCTATTAGAG CATGCTATCT

6701 CTGTCATTTT TACTCAGATG AAGATGGAAA ATCATAGCAA ATCTACTGAT

6751 AGTGAGTGGA CCAACGAAAT TTGTTGGCCA CCTAGTGTGT ACCAGATCCT

6801 AGAGATACAG GAGGGAAAAC AAAACCAATA CAAAATTTCT GCTCTCAGTG

6851 AGCTTGTATT CTTGTCATGA TGATGATGTT GGTGGTGGTG CTGTTGATGA

6901 CGATGATGAT GATGATGATG ATGATGATGC TGGTGATACT GTTGATGGTG

6951 ATAGTGATGT TGATGACAAT GATGATGATG ATGATGTTGA AGAAAATGAT

7001 GCTGGTGATG GTGGTGGGGG TTATTATGGT AATAATGATA TGTTGAGTGT

7051 GACGATGATG GTGGTGGTGT TGATGATGAT GATGATTATT ATGCTAGTGA

7101 CATTGATGAT GGTAATGGTG ATATCAACGA CAGTGACAAT GATGGTGATG

7151 AGGATGATGT CGGTGATGGT GGTGGGGTTA TGATGGTAAT GATATGTTGA

7201 ATGTGATGAT GGTGATGATG ATATTTGTGG TTCATGATGG GGATTGTCAT

7251 GGTGGTGCTG GTGGTACTTG TGATGACAAT AATGATAATA ATGATGACAA

7301 TGATAGTGAT GATGGTGATG GTGATAATAA AGATAACAGA TATCACCTTA

7351 CAATATTGAG CACTAAATAT GTACCAAGAG CTATGCTCAG TATCTAACTA

7401 CTATTATATA ATCTACTTTA GAAAATGAAT TGTATCATAG ATAAGAAAGG

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
7451	CGTGGAAAAT	ATTTATTATG	TCACTCAATT	TAATTGCTGC	ATATGGTTAT
7501	TACAAAGTGC	TATTCTCTCT	ACTTTGAACA	TAATGTTTAT	TTCACACTCC
Exon R1					
7551	<u>CACTATAGCT</u>	<u>GCTGGCCCTC</u>	<u>TCCTGATGCC</u>	<u>G TTCACCCTC</u>	<u>AACTTCACCA</u>
7601	<u>TCACCAACCT</u>	<u>GCAGTACGAG</u>	<u>GAGGACATGC</u>	<u>GTCGCACTGG</u>	<u>CTCCAGGAAG</u>
7651	<u>TTCAACACCA</u>	<u>TGGAGAGTGT</u>	<u>CCTGCAGGGT</u>	<u>CTGGTTAGTG</u>	<u>TCCTGCCCTC</u>
7701	CACACTCTGC	CCTGCTCATG	ATACCCAGTC	CCTCTTACAT	CATCCATGCC
7751	AGGGCAATGG	AAGAATATCA	AACCCAATC	ACTTTTGCCC	CAAGAGATGC
7801	AAGCCTCAGC	CAGGAGCGGT	GGCTCACGCC	TGTAATACCA	GCATTTGGGA
7851	GGCCAAGGCG	GGTGGATCAC	CTGAGGTCAG	GAGTTTGTGA	CCAGCCTGGC
7901	CAACATAGTG	AAACCTCATC	CCTACTAAAA	TACAAAAATT	AGCCAAGCAT
7951	GGTGGTG CAT	GCCTGTAATC	CCAGCTACTT	GGGAGGGTGA	GGCAAGAGAA
8001	TCACTTGAAT	CAAGGAGGCA	GAGGTTGCAG	TGAGTCAAGA	TCATGCCACT
8051	TTACTCCAGC	CTAGGC AAAA	AAGCGAACT	CCATCTCACA	AAAAAAAGAA
8101	AAAAAGAGAG	AGATGCAAGC	CTCCCCCACC	AAGGCCAGCC	CTGCCCCACT
8151	CACTTCTGCC	TGGCTCTTAC	ATAAACTTA	GCCCTCCTAC	TCACTGCCCT
Exon R2					
8201	CTCCCTCCTC	CACAGCTCAA	GCCCTTGTTT	AAGAACACCA	GTGTTGGCCC
8251	<u>TCTGTACTCT</u>	<u>GGCTGCAGAT</u>	<u>TGACCTTGCT</u>	<u>CAGGTGAGAA</u>	<u>CTTAGAATTT</u>
8301	CCAGCCTGGC	TGCCCCACTT	GTACTCACTC	CAAAAGACTT	TGCACTGCTT

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
8351	CCTTGCTGCA	CTTCCTAGGG	ATATCCTCAC	CAAAGGTGGA	ATTCAGGAGT
8401	CACAGGCTTC	AGGATCAGTG	TGTTTCCTGA	CAGTAACACC	CCTACACTCC
8451	ACCTCAACAG	AGAGAATCTG	CATGGCCCAT	CATCAGGATT	GAGCCTCTCC
8501	CTTTATCATC	CCTCTGAATT	CCCTCCATTC	CCTGTGCCTC	CCTTTCCTTT
8551	ACATGTTAAA	TTCTGTCCCC	AGGATTTCTT	TCAGGACAAT	CATGCCTTAT
8601	CCACGTGATT	TCATCCTCAT	TTCGAGCTCT	TCACTGGGCT	CAAGTCCGGC
8651	TCCCCGTCCC	GTCCATGAAA	GTGTCAGTTT	CATCTTGTCA	CTGTATCCGT
8701	GACTCCACTC	ACAGTCCTCA	GCAAGCCAAT	AGTCCATGCA	CTAAGAGTCG
8751	ATGTGGCTTC	TCACCTCTTT	CCCAGGTTTC	TCATTTCTCT	GGTCCTTGCT
8801	GTCCTTCCCT	CAGCAATCGC	AAGACCCTTC	CTAGATAAAC	TTTTCATTGT

Exon R3

8851	<u>GATTTTTCCC</u>	<u>ACTGACCCTC</u>	<u>CCCAGGCCCG</u>	<u>AGAAAGATGG</u>	<u>GGCAGCCACT</u>
8901	<u>GGAGTGGATG</u>	<u>CCATCTGCAC</u>	<u>CCACCGCCTT</u>	<u>GACCCCAAAA</u>	<u>GCCCTGGACT</u>
8951	<u>CAACAGGGAG</u>	<u>CAGCTGTACT</u>	<u>GGGAGCTAAG</u>	<u>CAAAC TGACC</u>	<u>AATGACATTG</u>
9001	<u>AAGAGCTGGG</u>	<u>CCCCTACACC</u>	<u>CTGGACAGGA</u>	<u>ACAGTCTCTA</u>	<u>TGTCAATGGT</u>
9051	GAGTGGCTGT	GATGTGGTTG	AAATCTCTTC	CCCCTTGCTG	GGCAGCCTCT
9101	AATCTCTAAC	TAGAGATCAC	ACTCCCTGCC	TGGCCTTTGA	AAATTCTGTC
9151	ATGTGCTCTA	CATGGGATGA	CTAAGGTCTG	GACTTCATGG	TTTCCTTACC
9201	ATCATGGACT	GTGTTCCCTC	AGGGCATTCT	TTCCTGATGT	GAGGATGCTG
9251	ATAGAAAATC	TTCAATTGTC	CCTGTACCAT	GAAACTCGGT	TCATTGCACC
9301	AGGGTAGCAT	TGACCTCCAT	TTGGTCCCCC	ACCTCTCCTT	GTCTCTTACC

Table 2 (continued)

Genomic Repeats
(SEQ ID NO: 2)

Exon R4

9351 CACTCTCCTC CCTCCTTCTC TATGCAGGTT TCACCCATCA GAGCTCTGTG

9401 TCCACCACCA GCAGTGAGTA TTCAACTCAT ATCCACATGC CTCGGTTCCT

9451 ACACCAAGAG GAGCAGGAGC TGGCCCCTCC TCATAAACCC ATTAAGTCCT

9501 CTTCATAAGC AAAGGATTTA GGAGGGCAGA AGTTATTTAA GTGTCCCTCT

9551 GCCCAGCTCA AGAGACCGAC CCAGCTCAAG CTACACATGC AACAAACCCC

9601 ATAAATAGTC TCCCCTCTTG CCATTCTGTC CAAGAGAGTG CTTTATGCTT

Exon R5

9651 TCACTGATGA GAACTTTTCC TCAGCTCCTG GGACCTCCAC AGTGGATCTC

9701 AGAACCTCAG GGACTCCATC CTCCCTCTCC AGCCCCACAA GTAAGTATCA

9751 GTCAATGACA TCTCTATGAG AGCATACCTG ATTAGTGTA ACATCTCTGT

9801 CATTTTCACT CAAATAAAGA TGGAAAATCA TAGTAAATCT AGTGATACTG

9851 AGTGGACAAA TTTGTTTGTT TGTTTTTTCT CATCCTTTTC ACTTTTTTTA

9901 TTATACTTTA AGTTTTAGGG TACATGTGCA CAATGTGCAG TTTAGTTACA

9951 CATGTATACA TGTGCCATGC TGGTGTGCTG CACCCATTG CTCGTCATTT

10001 AGCATTAAGT ATATGTCCTA TGCGATCCAA GCCCACGCGC CGCACCACGT

10051 GCAACAGTTT CACAGATTGG ATGGTCCGAT ANNNNNNNNN NNNNNNNNNN

10101 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN

10151 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
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Exon R1

10201 CTTCACCATC ACCAACCTGC AGTATGAGGA GGACATGCAT CGCCCTGGAT
 10251 CTAGGAAGTT CAACACCACA GAGAGGGTCC TGCAGGGTCT GGTTAGCACC
 10301 CTGCCCTCTT CACTCTCCCC CGCCCTGGAT GCCGAGCCCC TCATACAACA
 10351 TTCATGCCAG GGCAATGGAA GAATATCGCA CCAACCTTGC CCTCATCCCC
 10401 AGAGATGCAA GCCTCACCCA CTGAGGCCAG CCACTCTCAT GGGTGTCTGC
 10451 CCCACCCACC TCACTTTTGT CCCACACAG GGACCTTAGC CCTCCTACTT

Exon R2

10501 ACCTCTCTCT CCCTCCCCCA CAGCTTAGTC CCATATTCAA GAACACCAGT
 10551 GTTGGCCCTC TGTACTCTGG CTGCAGACTG ACCTCTCTCA GGTGAGACCT
 10601 TAGAAGATCC AGCCTGGCTG CCCAGTTGT TCCCACTCCA GTAGATTTTG
 10651 CTCTGCTTCC TTGCTGCACC TCCTAGGGAT ATCCTCACCA AAAGGGGAAT
 10701 TCAGGAGTCA CTGGCTTCTG GACCAATGTG TTTCTGATA GTAACACTCC
 10751 CACACCTCAC CTCAACAGGG AGAATCTGCA TGGTCCATCA TCAGGATTGA
 10801 GCCTCTATCC TGATCATCCC TCAGAATTCC CTGCCCCTCC CTTTCATTTA
 10851 GGTGTTAAAT TCTGTCCCCA GAATTTCTCT CAAGACAATC ATGCCTCATC
 10901 CAAGTGCTTT CATCCCTGTT TCTAGCTCTT CACTGGTCTC AAGTCTGGGC
 10951 TCTCCTGTCC CCATGCTATG AGAATGCAGG TTTCACCTTG CACTTTTATA
 11001 AGCATGGTTG TATCTGTGAC TCTGTGCACA GTCCCAAGCA AGCCAGTAGT
 11051 CCATGCACTC AGAGAATCTA AGTGTAGCTT CTCACCTCTT TCCCAGGTTT
 11101 CTCATTTCTT CTGGTTCTTT ACTGTCTTTC CATCAGCAGT CTCAGGACAC

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
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Exon R3

11151 AACCTAAGTA ATCTTTTCAT AGTCATTCTC CCCACCTACC TTCCCCAGGT
 11201 CTGAGAAGGA TGGAGCAGCC ACTGGAGTGG ATGCCATCTG CATCCATCAT
 11251 CTTGACCCCA AAAGCCCTGG ACTCAACAGA GAGCGGCTGT ACTGGGAGCT
 11301 GAGCCGACTG ACCAATGGCA TCAAAGAGCT GGGCCCCTAC ACCCTGGACA
 11351 GGAACAGTCT CTATGTCAAT GGTGAGCAGC TGTGATGTGG TTGGAGTCTT
 11401 TTCCTTCTAG AGTCTGGAAA GAATCTAATC TGTGGCTTGA AGTCACACTC
 11451 CCTGCCTGGC CATTGAATAT TCTGTCATGT GGTGTAGATG GGATGACAAA
 11501 GTTCTGGACT TCACAGTTTC TTCATTGTCG TGAAGTGTGT TCCCTCAGGG
 11551 CACTCTTCCC TGTTGTGAGG AACTGATAG GAATTCTTTA ATGGCCCCAG
 11601 TCCCATGAAA CTCATTGTCC CATGAAACTC ATTTAATTGC ATTGGGATTG
 11651 CCATGACCTT ATTGTGTCCC TCGTATCTCC TTAACGCTTA CCAAGTCTCC

Exon R4

11701 TCCCTCCTTC TCTATGCAGG TTTCACCCAT CGGACCTCTG TGCCCACCAC
 11751 CAGCAGTGAG TATTCAACTC ATGTCCACAT GCCCCTGATC CTACATTAAG
 11801 TGGAGCAGGA GCTGGCCCCT CCTCTTAAAC CCATAAGTCC TCCTCTTGAG
 11851 CAAAGGAGCT GGGAAGGCAG AAGTTATTGA AGCTCCCTTC CACCTAGCTC
 11901 CAAAGACAGG CCCAGCTCAT GCCCGTATGC AGCAGACCTC ATAATAGTCT
 11951 ACCTTCTTGC CATTTCTGCC ATGAGATTAT TTTCTGCTTT CACTGATGAG

Exon R5

12001 CACTTTTTCT CAGCTCCTGG GACCTCCACA GTGGACNNNN NNNNNNNNNN
 12051 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
 12101 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN

Table 2 (continued)

Genomic Repeats
(SEQ ID NO: 2)

Exon R1

12151 ATTTTCAATT CCCACTACAG CTGCTGGCCC TCTCCTGGTG CTGTTCACCC

12201 TCAACTTCAC CATCACCAAC CTGAAGTATG AGGAGGACAT GCATCGCCCT

12251 GGCTCCAGGA AGTTCAACAC CACTGAGAGG GTCCTGCAGA CTCTGGTTAG

12301 TGCCCTTCCC TCCTCACTCT GCCCAGCCCC AGATATCCAG TCCCTTCTAC

12351 ATCATCCATG CCAGGGTGAT GAAAGAAGAT AGCAACAAC TCCCCCCTTC

12401 CCCCCAAGAG ATGCAAGCCC CACCCACAGA GACCAGTCCT GCTTATTGGT

12451 GCCTGCTCCA CCCACCTCAC ATCTGCCCCG ACACACACAC ACCTTAGCCC

Exon R2

12501 CACTACTCAC CTCCCTCTCC CTCCTCTACA GCTTGGTCCT ATGTTCAAGA

12551 ACACCAGTGT TGGCCTTCTG TACTCTGGCT GCAGACTGAC CTTGCTCAGG

12601 TGAGACTTTA GAAGAGCCAG CCTGGGTGCC CAAACTTGTT CCCACTCTAA

12651 AAGACTTTGC ACTGCTTCCT TGCTGCACTT CCTAGGTATA TCTTCACCAC

12701 AAGGGGAATT CAGGAGTCAT TGGCTTGAGA ACCAGTTGTT TCCTGATAGT

12751 AACACCCCCA TGCCCCAACT CAACATGCAA AATCTTCATG GTTCATCATC

12801 AGGATTGAGA CACTACCCTG ATTACCCATC TGAATTCCTT CCTTTCCCTG

12851 ACCCCTCCCT TTCATTTAGG TGTTAAATTC TGTCCCCAGG ATTTCTCTCA

12901 AGATAACCAT GCCTCATCCA CATACTGCA TCCGCCTTTC AAGCTCATCA

12951 CTAGTCTGAA GCTCTGGGTT CTCCTGTTCC CATGCCATGA GAATGCAGGT

13001 TTCACCTTGC ACTTTTATAA AAATTATTAT ATCCATGACT CTGCTTGCAG

13051 TCCCAGACCA AGATAGTGGT CTATGTACTC AGATAATCTA AGTGCAGATT

13101 CTCACCTCTT TCCCAGATTT CTCATTTCTT CTGGTTCCTT GATATGTTTC

13151 CCTCAGCAAT CTCAAGACAA GTCCTAGGCA ATCTTTTCAT TGTCATTCCC

Table 2 (continued)

Genomic Repeats
(SEQ ID NO: 2)

Exon R3

13201 CCTCCTACCT TCCTCAGGTC CGAGAAGGAT GGAGCAGCCA CTGGAGTGGA

13251 TGCCATCTGC ACCCACCCTC TTGACCCCAA AAGCCCTGGA GTGGACAGGG

13301 AGCAGCTATA CTGGGAGCTG AGCCAGCTGA CCAATGGCAT CAAAGAGCTG

13351 GGCCCCTACA CCCTGGACAG GAACAGTCTC TATGTCAATG GTGAGCAGCT

13401 GTGATATGGT AGGGGTCTCT TCCTCCTGGC TGTGCAACCA TCTAATCTCT

13451 GGCTTGGGGG CACACTCCCT GCCTGGCCAT TGAAAATTCT GTCACGTGCT

13501 CTACATGGGA TGAATAAGTT CTGGACTTCA TGGTTTCTTT GTTATCATGA

13551 GAGGCATTCC CTCTGGGCAC TCTTCCCTGT TGTGAGGATG CTGATAGGAA

13601 ATCTTTAATG ACCCCTGTCC CATGAAACTC ATTTAATTGC ACCAGGGTAG

13651 TCCTGAACTC TATCGCGTCC CCCACATCTC CTTAACCCCTT ACCCAGTCTC

Exon R4

13701 CTCCCTCCTT CTCTATGCAG GTTTCACCCA TTGGATCCCT GTGCCCACCA

13751 GCAGCAGTGA GTATTCAACT CATGTCCATG ATGCCCCTGA TCCTACATCA

13801 AGTGGAGCAA GAGCTGGCCC CTCCTCTTTA ACCCATAAGT CCTCCTCTTG

13851 AGCAAATGAG CTGGGAAGGC AGAAGTTACT CAAGCTCCCC TCTGCCCCAG

13901 CTCCAAAGAC AGACCCAGCT CAAGCCCACA TGCAGCAGAC CTCATAATAG

13951 TCTATCTTCT TGCCATTTCT GCCATGAGAG TGCTTTCTGC TTTCAGTGAT

Table 2 (continued)

Genomic Repeats
(SEQ ID NO: 2)

Exon R5

14001 GAGGACTTTT TTCAGCTCCT GGGACCTCCA CAGTGGACCT TGGGTCAGGG
 14051 ACTCCATCCT CCCTCCCCAG CCCCAACAAGT AAGTACCAGC CAATGGGTATC
 14101 TGTATTAGAT CATGCCTGAT GAATGCAAAC ATCTGTGCCA TTTTCAGTCA
 14151 AATGAAAATG GAAAATCATA ATAAATCTAG TGATACTGAG TGAACCAAAA
 14201 AAAATGTATT GGCCACCTAC AGTGTACCAG ACCCTAGGGA TATAGCAAGG
 14251 AAAATAGAAC CAATAAAAAC ATCTCTGCCC TCAGTGAGCT TGTGTTTCATG
 14301 TGATGATATG ATGGTGGTGG TGGTGGTAAT AGTAATAATG ACATATTCAG
 14351 TTTGATGATA ATTTATGATT ATGGTGTTCG TGTTGATGAT GGTGGTGGTG
 14401 ATGTTACTGA CAATGATGGT GACGGATCTT TGAGGATATT GTCCGTGATG
 14451 GTCGTGAAGA TTATGATGAT AATGATGATG TGTTAAGTGT GATGATGATG
 14501 ATGATCTGTG GTGATGCTGT TTAGGATGCT GTTCCGTGGT ACCGATGATA
 14551 TTGATGTTGG TCGTGTTTAT GTTGTATGAC AATGACAATG ATGGTGATGA
 14601 GGATAATCGC CAGTGATGGT GTGGGTTTAT GATGATGATG ATGTGTTGAA
 14651 TGTGGTGATG ATAATGTTCG TGGTGGTCGT GATGGGCATT ACTATGGCAG
 14701 TGATGGTCAT AATAATGATG GTGATGGTGA CAATGATAGC AAGGATGATG
 14751 ATGGCAATAA AGATAGTACA TAACATCAGA CAATATTGAG CTCTGAATAT
 14801 GCACCACGAG GAGTGCTCAG CATCTAAATA CTATTATATA ATATATTTTT
 14851 GTAAAAATAA ATTGTATTGT TTTAGGCAAG GGAAGCATGG TAAATATTTT
 14901 GTCACTCAAT TTAAATTCTG CATATGTTTA AAGATAAGTC TATTGCAAAC
 14951 TCCTATTTTC TCTACTTTGG ACATAGTGTT TGTTTCCCAC CTCCACTACA

Table 2 (continued)

Genomic Repeats
(SEQ ID NO: 2)

Exon R1

15001 GCTGCTGGCC CTCTCCTGGT GCCATTACCC CTCAACTTCA CCATCACCAA

15051 CCTGCAGTAC GAGGAGGACA TGCATCACCC AGGCTCCAGG AAGTTCAACA

15101 CCACGGAGCG GGTCTGCAG GGTCTGGTTA GTGCTCCACC CTCCTCACTC

15151 CGCCCCACCC CAGAGAGTCA GTACCTCCTA CATCATCCAT GCCAGGTGAT

15201 GGAACAAGAT CATACCCACC TCACCCTTGC CCCAAGAGAT GCAAGCCATG

15251 CCCATTGAAA CCAGCCCCAC TCACTGATGC CTGTTACTGC CCCACCTGAC

15301 TTCTGCCCTA CACACCCACA CACGCAACTT AGCCCTCCTA CTCATCTCCT

Exon R2

15351 TCTCCCTCCT CCACAGCTTG GTCCCATGTT CAAGAACACC AGTGTCTGGCC

15401 TTCTGTACTC TGGCTGCAGA CTGACCTTGC TCAGGTGAGA CCTTAGAAGA

15451 TCAAGCTTGG CTGCCCCACT TGTTNNNNNN NNNNNNNNNN NNNNNNNNNN

15501 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN

15551 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN

Exon R1

15601 NGTGTTAGTC TACTTTTGAA CACTGTTTAT TTCCCATCTT CACTATAGCC

15651 GCCAGCCCTC TCCTGGTGCT ATTCACAATT AACTTCACCA TCACTAACCT

15701 GCGGTATGAG GAGAACATGC ATCAGCCTGG CTCTAGAAAG TTAAACACCA

15751 CGGAGAGAGT CCTTCAGGGT CTGGTAAGAG CCCCACATAC CTCATTCTAC

15801 CGCCACTCAC CATGTTTAGT CCTGCCCACC TCACCTATTG CAGAGCATGG

15851 AAGATCTCAT CTACCTCATC TTGCCCCCAG ATATGCATAC CCCAACCACT

15901 GATGCCAGCC CCACCAACTG TTGCCAGCCC TGCCCACCTC CCTTCTACCA

15951 CACCCCTATG ACTTCAGTCC TCCCACTCAC CTCCCTCTCC CTCCTCCACA

Table 2 (continued)

Genomic Repeats
(SEQ ID NO: 2)

Exon R2

16001 GCTCAGGCCT GTGTTCAAGA ACACCAGTGT TGGCCCTCTG TACTCTGGCT

16051 GCAGACTGAC CTTGCTCAGG TGAGAACTGA GAACAGCCAG TCTGACTGAT

16101 CTGAGCAGTT TGACCTGCTT CCCTTCTGCA CTCCCTGGAG ATGTCCGCAG

16151 CCAGGTGGAA TCCAGGAGGC AGTGGCTCTA AGACCAATGT GCTTCCTGTT

16201 CCCACCACCT CCCACCTCAA CTGAGAGATG CAGAGCCCAT CAGCAGGACT

16251 GAGCTTCTAC CTTGGTCATC CCTCTGAATT CCCTCCTTTC CCCTACCTGC

16301 CTTTCCACAA GTGGTTCAAT TCTGTTCCCA GGATTCTCTC CAAGAAAAAC

16351 ATGCCTCGTC CACTTGCTTT CATCCCCAAA CCTAGCTCTT CACCTGTCTC

16401 AAGTATGAGT TCTCCTTACC CCATGCTACA AGAATGCAGT TTCCACTTTG

16451 CAATTTTATA AAAATCCTTG CATCCATGAT TCTGCTCATA GTTGCTAAGA

16501 GTCAGTGCAC TCAGAGAATG GAAGTATGGC TTCTCACTTC TCTACCAGGC

16551 TTCTCATTTT CTCTGGCCCC CTCCTGTCCT GCCCTGTGGG ATCTCAGAAC

16601 CCCTCCCTAG GCAATCCGTG TATTGTCTTT CCCCAATCTT GCCCTCCCCA

Exon R3

16651 GGCCCAAGAA GGATGGGGCA GCCACCAAAG TGGATGCCAT CTGCACTTAC

16701 CGCCCTGATC CCAAAAGCCC TGGACTGGAC AGAGAGCAGC TATACTGGGA

16751 GCTGAGCCAG CTGACCCACA GCATCACTGA GCTGGGCCCC TACACACTGG

16801 ACAGGGACAG TCTCTATGTC AATGGTGAGT AGTTGTGATG TGTTTGGAGT

16851 CTCTTCCTCC TTGCTGGGCA GCCTCTACTC TCTGCCTTGA GGTCACGCTC

16901 CCTGCCTGGC TATTGAATGC TCATCCATGT TGTCTGTATG TGATGGCTGA

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
16951	GGTTGGA	ACT TCATGG	TTTC TATTT	CATCT TGGACT	GAGT TCATC
17001	GATCTG	CTTT CTGGAT	CTGA GGGTG	CTGAT AGAGA	AATCTT CAATG
17051	TGTTCT	GCGA AATTC	CTTCC ATTGC	ACCAG GGTAC	CCTGA CCC
17101	GTTCCCC	CACC ACTCC	CTTAA CCCTT	ACCCA CCCTC	TTCCC TCCCT
Exon R4					
17151	TGCAGG	<u>TTTC ACACAG</u>	<u>CGGA GCTCT</u>	<u>GTGCC CACCA</u>	<u>CTAGC AGTGA</u>
17201	CACTGAT	TTTC CAGTG	CTCCT GATCC	TACAT CATGC	CAGGGC AAGAA
17251	CCCTCCT	CAC ATGCC	CCTAT GTCCT	CTATG AGCAA	AAGGAG CTGGG
17301	ACAAGTT	ACT CCCTT	TCCCT TCTGG	CCCA GTCTC	TTTCAG AGAGA
17351	AGCTCA	AAGCC CCACAT	GCAG CAAGG	TCCAT AAATA	CTCCT ACCTG
17401	ATTTCT	GCCA TGAGAG	GGTT CAACA	CTTTC ACTAA	TGAGG CCTTC
Exon R5					
17451	AGTTCCT	<u>GCG ACCCCC</u>	<u>CACAG TGGAC</u>	<u>CTGGG AACAT</u>	<u>CTGGG ACTCC</u>
17501	<u>CTAAAC</u>	<u>CTGG TCCCT</u>	<u>CGGGT AAGTA</u>	<u>CAAAT CAATC</u>	<u>GCATC TCTGT</u>
17551	CATGCCT	GAT GACTG	TCAAC ATCTC	TGCCA TTTTC	ACTTA AATAA
17601	AAAAAT	CCTA GTGA	ATCTAC GGATG	GAGGAG TCATC	CAGCA AACTT
17651	AGTGCCT	AGT TTCTG	CAGGG CTCTA	GGGAT AAGAA	AGGG ACACAA
17701	GTTAAAA	ATA TCTG	CTGCAA GAAAG	CTTAT TTTAT	TGTGA GGGTG
17751	AGTTGGT	TGGT GGTGA	AGTTA CTGG	AATGA TGACA	ATAAG AATGG
17801	CTAGTG	ATGA TGATG	GTGAT AAGGA	TGATA ATTAT	GAAGA TGGTG
17851	GATGAT	GATG ATGGT	NNNNN	NNNNN	NNNNN
17901	NNNNN	NNNNN	NNNNN	NNNNN	NNNNN
17951	NNNNN	NNNNN	NNNNN	NNNNN	NNNNN
18001	NNNNN	NNNNN	NNNNN	NNNNN	NNNNN

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
18051	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
18101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
18151	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
18201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
18251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
18301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
18351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
18401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
18451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
Exon R1					
18501	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	<u>NGCTGCCAGC</u>	<u>CCTCTCCTGG</u>
18551	<u>TGCTATTCAC</u>	<u>TCTCAACTTC</u>	<u>ACCATCACCA</u>	<u>ACCTGCGGTA</u>	<u>TGAGGAGAAC</u>
18601	<u>ATGCAGCACC</u>	<u>CTGGCTCCAG</u>	<u>GAAGTTCAAC</u>	<u>ACCACGGAGA</u>	<u>GGGTCCTTCA</u>
18651	<u>GGGCCTGNNN</u>	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
18701	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
18751	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
18801	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
Exon R2					
18851	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNCTC	<u>AGGTCCTGT</u>
18901	<u>TCAAGAGCAC</u>	<u>CAGTGTTGGC</u>	<u>CCTCTGTACT</u>	<u>CTGGCTGCAG</u>	<u>ACTGACTTTG</u>
18951	<u>CTCAGGNNNN</u>	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNAGAAT
19001	TCAGTCGACC	TACCGGCTTT	GATGATTGCT	CAGTTGAACT	TAGAAATGCA
19051	CTGTCTGCCC	AATGGTCCAG	TCTCATGAGT	GTGACTCTTT	TCTGCCTCTC
19101	TTGGGTATCT	GATCAAGATG	GACTCAGGAA	AAGTGCTCCA	GATAACTGTC

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
19151	TCCAATATAA	CACTGCCCCT	GCCATCACAC	CCAAATGACT	GGAAGTTTCA
19201	CAGGGTCATC	AGCAGGGATT	GGACTTCCAC	CCCGGCCATC	CCTCTGAATT
19251	TTCCCTCTTT	TCTCCCCACC	TCCCTTGCCC	TTAGGTGTTA	AAATTCTCTA
19301	ACTAAGATTT	CTCTCAAGAC	AAATGTGCCT	CATTCACTTG	TTTAATTCCC
19351	AATTCCAGCT	TGTCACCTGT	CTCAAGTCTA	GGCTGTCCTG	TCCCCATGCC
19401	ATGAGAATGC	AAGAACCACA	CTGAAATGTT	AGAAAAATTC	TTTTATCCAC
19451	AAGTATGCTC	ACCGTCCCAA	GCTGGACAGT	AGTCAGTGCA	CTCAGAGAAT
19501	CTAAGTGTGG	CTTCTCATCT	GTGTACCAGG	CTTCTCATTT	CCTGTGGGCC
19551	CTTCTTGTC	TTCCCTCCGC	AATCTTGGA	CTCCTCCCTA	GACAAAACCTT

Exon R3

19601	TATTATTATT	CCCCTCACCT	GCCCTCTCCA	<u>GGCCTGAAAA</u>	<u>GGATGGGACA</u>
19651	<u>GCCACTGGAG</u>	<u>TGGATGCCAT</u>	<u>CTGCACCCAC</u>	<u>CACCCTGACC</u>	<u>CCAAAAGCCC</u>
19701	<u>TAGGCTGGAC</u>	<u>AGAGAGCAGC</u>	<u>TGTATTGGGA</u>	<u>GCTGAGCCAG</u>	<u>CTGACCCACA</u>
19751	<u>ATATCACTGA</u>	<u>GCTGGGCCCC</u>	<u>TATGCCCTGG</u>	<u>ACAACGACAG</u>	<u>CCTCTTTGTC</u>
19801	<u>AATGGTGAGC</u>	<u>AATTGTGATG</u>	<u>TGGTTGGAGT</u>	<u>TTCTTCTTCC</u>	<u>TTGCTGAGCA</u>
19851	GGCCTCTACT	CTCTGTCTTG	AGGTCACCTCT	CCCTGCCTGG	CCACTGGTCT
19901	TGGCCATGTT	GTCTGTATTT	GATGATTGAT	ATGAACTTCA	CCGTTTCTTC
19951	TTCATCTTGT	ACTGGAGACC	TTCATCCTCA	GGACCTTCTT	CCCTGATCTG
20001	AGTGTACTTG	TATAGAATCC	TCAAAGCCCA	TGTTCCCTGA	AACTCCTTCA
20051	ATTGCACCAT	GGTAGCACTG	ACCCCTTTTG	GTCCCCCACC	TTNNNNNNNN

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
Exon R4					
20101	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	<u>TTCACTCATC</u>
20151	<u>GGAGCTCTGT</u>	<u>GTCCACCACC</u>	<u>AGCACTNNNN</u>	NNNNNNNNNN	NNNNNNNNNN
20201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
20251	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
20301	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
Exon R5					
20351	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNCCTG	<u>GGACCCCCAC</u>
20401	<u>AGTGTATCTG</u>	<u>GGAGCATCTA</u>	<u>AGACTCCAGC</u>	<u>CTCGATATTT</u>	<u>GGCCCTTCAN</u>
20451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNGACTCCA	GCCTCGATAT
20501	TTGGCCCTTC	AGGTAAGTAC	CAGTCAATGG	CACCTCTATT	AGAGTATGCA
20551	TGATGAGTGT	CAACATCTCT	GTCCTTTTCA	CTCAAATAAG	ATTAAAAATC
20601	ATAGCAAATT	GTACGTGATG	ATGAGTCACC	CAACAAACTT	CTTTGAGTAC
20651	CCACTCTCTG	CCAGGCCCTA	GAGATAAGGC	AGGGAACACA	AAAGAGGTAA
20701	AAATCTCTGC	CCTCAGAGAG	CTTCTTTTAT	TTTGAGGATG	ATGTGGGATA
20751	GTGGTGATGA	TGATGTTGCT	GGAGATGATT	ACAATAATGA	TGGTGATGCT
20801	TATGACCATG	ATGTGATGAT	GATGGTGATT	ATGAAGATGA	TGATGATGAT
20851	ATTGATGATG	GTAGTGTTTT	TGACAGTAAT	GATGATGTGA	TGATGATGAT
20901	GATAGTGGTG	GTGGTGATTA	TGGGAAGGAT	GACAGTGGTG	GTGGTGATGG
20951	TGGTGGTTGT	GGTGGTGATT	GACAATGTGG	TGGTGATATT	GACAATGAGG
21001	ATGATGATGA	TAGTGGTGGT	GGTTATGATG	GTTAAGGATG	ATGTGATGAT

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
21051	GGTGTGGTG	ATCACGGTAC	TAGTGGTGGT	GATGTGGACC	GTCATGGTTG
21101	TGGTTGTGGT	GGTGATGGTG	GTGATCATGA	TGATAATGAG	GATGATGGTG
21151	GTGATTGTCA	TGATGGTAAG	GATGAAACAG	TGATGGTGTT	GGTGACCATG
21201	TTCCTGGTGG	TGATGGTGCA	GGTGATGATG	TGGATGATGA	TGGTGATGGT
21251	GGTGGAGATG	ATAGGGATTA	TGAATATGGT	TCGGGTCTCT	GACTGGTGGT
21301	GGTGATGACA	ATAATGAAAA	TGATGGTCAC	AGTGTTGGTG	ATGATGATGG
21351	TGGTGATAAC	AAAGGTAATA	GATAGTGTCT	AGTATTATGG	AACACAGAAC
21401	ATCACCAAAG	GTTATGCTCA	GCATCTAACT	ATTATTATTT	AGCATGCTCT
21451	ATGAAAAACT	TTGATCGTTA	TAGTCAAGGG	AGGCATGAAA	ACCTTCTATT
21501	TTATCACTCT	CTTTAAATCT	GGTTGCATAT	GTTTAGAAAT	AAATCTATTA
21551	CAAACCTCTTA	AATGTTCTCT	ACTTTTGAAC	ATAGTGTTTA	TTTCCCACCT

Exon R1

21601	<u>CCACTACAGC</u>	<u>TGCCAGCCAT</u>	<u>CTCCTGATAC</u>	<u>TATTCACCCT</u>	<u>CAACTTCACC</u>
21651	<u>ATCACTAACC</u>	<u>TGCGGTATGA</u>	<u>GGAGAACATG</u>	<u>TGGCCTGGCT</u>	<u>CCAGGAAGTT</u>
21701	<u>CAACACTACA</u>	<u>GAGAGGGTCC</u>	<u>TTCAGGGCCT</u>	<u>GGTGAGAGCC</u>	<u>CTGCCCACCT</u>
21751	CACTCTGCCC	TGCCCACCTT	GTCTTGTTCC	ACCTACGTCA	CCCATTCCAA
21801	GGCATGGAAG	AAGATCTCAC	CCACCTCCCC	TCACCTGAGA	GATAGCCCCG
21851	CCCCCTGATT	ACAGCCCCTT	CCACCTTACA	TCTTCCTCAC	TTCTATGTCC

Table 2 (continued)

Genomic Repeats
(SEQ ID NO: 2)

Exon R2

21901 TCAGCCATCT TACTCACCTC CCTCTTCCTC CTCCACAGGC TAAGGCCCTT

21951 GTTCAAGAAC ACCAGTGTTG GCCCTCTGTA CTCTGGCTGC AGGCTGACCT

22001 TGCTCAGGTG AGAACTGAGA ATAACCAGTC TGGCTACCCC AAGTGTTCCC

22051 AGGCCCAAGG AGTTTCATCA GCTTTCTTCC TTCCCTCCCT ATGGAAGTCC

22101 TCAGCACAAG TGGAATTCAG GCGTTGGTGG CTCCAGGATG AACATATCTG

22151 CTGATCCTAC CACCTCCCCC ATCAATCGAG AGAATTGCA GGGCCCATCA

22201 GCCAGATCAG GCTTCTACTT TGGTCATCCT TCTGAATTTC TTACTTCTCC

22251 CTACCTCCCT CTCCTTCAGG TGTAAATTC TCTTCCAAGG TTTCTCTCAA

22301 GATAAACATC CCCCATCCAC TTGCTTTCAT CCCCAATTCC AGCTCTTAAT

22351 ATTTCTCAAG TCTGGGCTCT CCTGTCCCCA TACCATGAGA ATGCAATTTT

22401 ATAAAATTCT TGTATTCCTG ACTCTACTCA CATTCCCAGG CTGCCTGGAA

22451 GTTGGTGCAT TCAGAGAATC TTAGTATGGC TTCTCACCTG TCTACCAGGA

22501 TTCTCATTTT CTCTGTCCCC TTCCTGTCCT GCCCCCAGGA ATCTCAGGAT

22551 GCCTCCCCAT AGGCAATCTA TTTAATGTCA TCCCCCTTAT CTGCCCTCCC

Exon R3

22601 TAGGCCAGAG AAAGATGGGG AAGCCACCGG AGTGGATGCC ATCTGCACCC

22651 ACCGCCCTGA CCCACAGGC CCTGGGCTGG ACAGAGAGCA GCTGTATTTG

22701 GAGCTGAGCC AGCTGACCCA CAGCATCACT GAGCTGGGCC CCTACACACT

22751 GGACAGGGAC AGTCTCTATG TCAATGGTGA GCGGCTGTGA TGTGGTTGGA

22801 GATTCTTCCT CTTTGCTGGA CAGCTTCTTA CTCTCTGACT TGAGGTCACA

22851 CTCCCTGACT GGCCATTGAC GTCTTGGCTA TGTTGTCTGT ATGTGATGAC

22901 TGATGTCTGA ACTTCATAGT TTCTTCATCT TGGACTGAGT TCATCCTCAG

22951 TACCTTCTTC CCTGATCTGA GGGTACTGAT AGAGAATCTT CAAAGGCCCC

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
23001	TGTTCTTGA	AACTTCTTCC	ATTCCACTAG	GGTATCTGTG	ACCCCTATTT
23051	GATTCCCCAC	CTCTCCCTTA	ACCCTTACCC	ACTCTCCTCC	CTCCTTCTCT
Exon R4					
23101	GTGCAGGTTT	CACCCATCGG	AGCTCTGTAC	CCACCACCAG	CAGTGAGTAT
23151	TCAACCGATG	CTCCAGTAGC	CCCAATTATA	CACCAAGCAG	GGCAGGAGCT
23201	GTCCTGTCTT	CCTATGCCCC	TATGTCCTCT	TCATAAAGGA	AGGGGCTGGG
23251	AGGGCACAAG	TTATTCCCTT	TCCCTTCTGG	CCAGCTCCAG	AGAGAGACCC
23301	AGCTCAGGCC	CGATATGCAG	CAAGGCCTGT	AAATAGTTTT	ATTTGCTGAC
23351	CTTTCTGCCA	TGAGAGGCTT	GGATGCTTCC	CCTGAAGAGG	GTTTCTCTGT
23401	AGCTCTTGGG	ACTACCACAG	TGGACCTGGG	AAACTCTGGG	GATCCACCCC
23451	TTCTACTGGT	CCCTTGAATA	AGTACCAGCC	AATGGCACCT	CTGTTAGAGC
23501	ATGGCTGATG	AGTGTAACA	TCTCTTCCAT	TATTCAGTCA	AATAAAGATG
23551	GAAATTCTTT	ATAAATCTAG	TGATGATGAG	CCAACCAACA	AACTTTATTG
23601	AGCATTGTGA	CAAGCCCTGG	GGCTCTGCCA	AATCCTGGGG	ATATGGCATG
23651	GATCATGAAA	CAATTAATAA	TCTCTCCTCT	CAGAGAGCTA	TTTTTATGAT
23701	GATACTGATG	GTGGCAATGA	TGATGATGTT	GATGGTGATT	ATGACCATGA
23751	TGACAATGGT	GATGGTGGTG	GTGATGATGG	TAATGATGAT	GATGGTGATG
23801	TTGGTAATGA	TGGTGGTGAT	TATGACAATA	ATGATGGTGA	TGGTGACAGG
23851	GATGGTGATG	ATTATGATGG	TGGTGGTGAT	AACAAAGTTA	ATGGATAATA
23901	TATGAACTTA	TTGGCTACTG	AATATGCACC	AAAGTGCTAT	GCTCAGTGTT
23951	TAACTAGTAC	TATTTAATAT	GATTTCTAAA	AAAAATCTTG	AATTATTATA
24001	GGCAGAAGAA	TCATGGGAAC	CTTTTATTTT	GTCACCTCACT	TTAAGTCCTA
24051	TTGCATATTT	TTTAAGTCAA	TTGCAAACAC	AGTTTCTCTG	CTTTGAACAT

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
24101	TGTGTTTATA	TCCAGTCACC	CCAATAGTGC	ATAAACCTGC	TGATTGGAGC
24151	AACTGTGTCT	TACTCCCTTG	TGCTTCCCTA	GTATCTGCTT	CAGGACCTTG
24201	TACATGGTAG	ATCGACAGAT	TTAGATCTAC	AGGAAAATAT	GGATTTTCCC
24251	AGGGAAGGAA	GGAATGAAGT	ATGCTTTCTT	ATAATGTATG	GAAACTTTCC
24301	TCTTCTGCCT	TGGTTCAACT	TTAGTGTCTG	CCAGAGTTTA	CACTGGAAAA
24351	CTATATGGCA	TCTGCTCCAC	TCCCTCATCC	ATGACAGACA	TCATTAATTG
24401	ATTGCAGCAT	TCATGGCAGA	CATCACCAAT	TGATAATAGC	ATTCATTTTC
24451	TCTCAGTTCA	AAACAGCTTC	AGAATGGTTA	CCAAAAAAAA	AAAATTCAGT
24501	CGCTACCAAT	TCAATTGGAG	CTGACTCAGG	ATTATGGGAC	AGAATTC AAG
24551	AGAGTTAGGT	TCCTTGATGA	TGTGTAGTGG	CTATTTGTTT	TCCGGTCCAG
24601	GCTAATNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
24651	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
24701	CTTTGTGCGG	CAAAGTTCAG	GGGCCCCAAA	AATTTCTGTG	CCCCAATCAT
24751	GGCGGACCTA	GGTTTAGGCA	CAAATTCAG	GGATTAAGTC	CCTGGAGATG
24801	TTATGGCTTT	TGGTTTTCCT	AGAAAGGCTC	AGCTCAGGCT	CAGCTTGGTC
24851	ATGCTGATAT	CCTTTCTTCC	ACTTGGTCGA	TTTGGCTGTT	GATACTTATG
24901	TATGCTTCAC	GAAGTTTTTG	TGCTGTGTTT	TTCAGCTCCA	TCGGTTGGTT
24951	TATGTTCCCTC	TCTAAACTGG	TTATTCTAGT	TAGCAATTCC	TTTAACCTTT
25001	CATCAAGGTG	CTTAGCTTTG	CATTGCATTA	GAACATGCTC	CTTTAGCTCA
25051	TCGTACTTTT	TTATTGCCCA	TCTTCTGAAG	CCTACTTCTG	TCAATTCATC
25101	CATCTGATCC	TCCATCCAGT	TCTGCACCCT	TAATGGAGAG	ATGTTGCGGT
25151	CATTTGGAGG	AAAAGAGGCA	CTCTGGCCTT	TTGGGTTTTT	AGCATTTTTT
25201	TGTTGATTAT	TTCCCATCTT	CAGGAGTTTT	AGTTTCAGGC	TTTGAGGCTG
25251	CTGATCCTTG	GATGGGGTTT	TTATGGGGGT	CTTTTGGTTG	TTGTTGTTGA

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
25301	TGATGATGAT	GTTATTGTCA	CTTCTGCTT	GTTTTCTTT	CAATAGTCAG
25351	GTCCTCTTC	TGTAGGGCTG	CTGCAGTTG	CTAGGGGTTC	ACTTCAGGCC
25401	CTATTCATCT	GATTCGCTCC	CATGTCTGGA	GGTGTCACCTC	AAGGAGGCTT
25451	GGAGAGCAGC	GAACATAGGT	GCCTGCTTCT	TCTGGGACCT	CTGACCTCGA
25501	GGGACACCAA	CCTGATGCCA	GTAGGATCGC	TCCTGTGTAG	GGTGTCTGAC
25551	AACTATTGTT	GGAGGGTTTC	GCCCAGTTGA	CTGGCATGGA	GAGCAGGACC
25601	CATTTAATGA	AGCACTTTGT	CCCCTGGTGG	AGAGGGGGTT	CTTCACTGGG
25651	GGGAAACCAC	ATGTCTGGGC	TGCTTGATT	CCTCAGAACT	ACCAGAGGAG
25701	AGGCTAAGTC	TGCTGGTCCA	CAGAGACTAC	AGCCATCCCT	CCCACTAGGG
25751	GCCCAAGCCC	AGGGAGTCCA	AATTCTGTCT	CTGAGCCTCT	GGCTGGAGTC
25801	TTTGGAGATC	CTGCAAGGAA	GCTCTGCCCCA	CTGAGGAAGG	ATGGGTCAGG
25851	GTTAGCCCTG	AAGAGGCACT	CTGGCTGCAG	ACTGCCACAG	CCGGTGTGTT
25901	GGGCTGTGGG	GACAAGTCTT	GGGACCAAGC	CGTCCAGCCT	ACCCGGCTCT
25951	AGCAGGGGAA	AAGTACAGCC	TGGAGCTATT	GAAAGGGGTG	CCGCCCTTCC
26001	CCCGCCAGG	GAGCTTAGCG	TGTTAGGCAG	TTGTGAGTCC	AGTGCTGGCT
26051	GTCGCCCCTT	CCCAAGGAA	CAAAAAGAC	TTAGCAGGCA	GCCGCAGCCA
26101	GTGCTGGTCG	CCCCTCCCCC	GGGGAGTTCC	GTAGGCTTAG	GCAGATTCCA
26151	GCTGTAAGAA	TCTGCGTGTT	CTGGGGTTGG	GACACTAGGT	CCCAGTGGCA
26201	TGGGTTTCGCG	AGTGAGATCT	TCCAATCTGT	GAGTTGCACA	GTTCCGTGGA
26251	AAAAGCACAG	TTTCCCCCTC	TTGGGTAGCC	CGCTCACTCA	CCACCTCCCT
26301	TGGCTGGAAG	GAGGGGGTTC	CCCTTCCCCG	TGTGTCTCTC	AGGTGGGCCA
26351	CCACACCACA	CTGCTCTTCC	TTCTCTCTGT	GGGTCACTGC	CAGCCTTCTA

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
26401	GTCAATTTTG	ATGAGGGAAC	CTGGACATTT	TGGTTGCCAG	GAAGGATCAC
26451	ACACTTATTA	CAGTTTTTTT	CAATGTGAGC	CTCTGAGCGC	TGCTGCTTAT
26501	AGTCGACCAT	CTTGGCCCCC	AGAGTCACAC	ATCTGTTATT	TTTTGATGTT
26551	TTGATTGTGG	CAATTCTTGC	AGAAGTAAGG	TGGTATCACC	TTATGGTTTT
26601	GATTTCCCTG	GTCATTAGTG	ATGTTGAACA	TTTTTTTCAT	ATGTTCATTA
26651	GCCATTTGTA	TATATTCTTT	CAACAACTGT	CTATTTATGT	CCTTAGCCCA
26701	CTTTTTGATG	GGATTGTTTT	TTTCTTGCCA	ATTTGTTTGA	GTTTCGTTGA
26751	GATTCTAGAT	ATTAGTCCTT	TGTTGGATAT	ATAGATTGTG	AAGATTTTCT
26801	CCCACTCTGT	GGGTTGTCTG	TTTACTCTAC	TGACTGTGAA	GGAAAAGTCA
26851	ATTTCTTATA	CGAATTTGTC	TCACTCCTAC	TTCCAAATGA	GATCCTGGGG
26901	TTTTTTTTTT	CTGTTAATCC	TTCACAATAC	TTCTCCCACT	TTTTTGAACT
26951	CATTTGTTTA	TATTCTGTTG	TCTGCTTCTC	TTTTATAGGA	ATGTGACTTC
27001	TTATGGGCTT	TCTCTATTAT	ACCACATATG	GGTTTTTGTT	TTGTTTTGTT
27051	TTGTTTTGTT	TTGTTTTTGT	CCTCGGATCC	ATTCTCCAAC	CTCCTCCAGC
27101	CTTCCCGTGC	TCTGTGGGAT	AGACGTCTGA	CTCATGAAAA	CTACATTTCC
27151	CAGGCTCCCA	TGCTAACTAG	CTTCCTGTTA	GGTTCAGCCA	ATAGGAGGCA
27201	TTGGTGGGAC	AATGGTGGGC	GGGGCTATGG	AAGGGCCAGA	GTATTTCTGT
27251	ACCCCGCCCC	CCTGCTCCCC	TTCCAATGTT	CCTGGAGCGG	TGTAGGACCA
27301	ATACTGTATA	TATGGAAGGA	AGGCAAGGTG	GATAGATTGG	AAGGAAGAAG
27351	TGACAGATGG	AAAGAAGAAG	TGATAAATGG	CAAGCGAGGC	AAGGGAGCAG

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
27401	AGGATGGATG	AGTGGATTGC	AAGAAAGAAA	AAAATGGATG	AAATATAAAA
27451	GGAGCAGGAC	AGATGGATAA	GTAGATGGAA	GTAAGAAAAG	ACTGGTGTAA
27501	GAAAGGAACG	ATTGATGATG	GATGATGAAT	GGATCAGTGG	TGATTGGGTG
27551	AAGGGATGAA	TGGATGGATG	GACAGATGGA	TGAACAGATG	GGTGGGTGGA
27601	TAGATGGATG	GATGGATAAA	ATGGGTAGGT	GGATGGATGG	ATGGATGGAC
27651	AGATGGGTGG	GTAGGTGGAT	GGATGGATAG	ATGGATGGAT	AAGTGAATGG
27701	ATGGATGGAT	GGATGGATGG	ATAAATGGAT	GGATGGGTGA	AAGGAAGGAA
27751	AGAAGTGAGA	GAAGGAAGAG	GAAGGATAGA	CAGATGTTAG	AAGGTACAAA
27801	TGAAAGGAAG	GAAGCCAGCA	AGAAAGAAAG	GATGCATTAA	TAGAATGAAA
27851	GATGGAAGGG	AAGAAGAAAG	GATGGAAAGA	GAGAAGGAAG	AATGAACAGA
27901	AGGAAGTTCA	AGAGTGGTGA	AAAGAAGAAA	GGCAGGGAGA	GAAGGAGAAG
27951	TAAACTTTTC	TTCTAGAGAT	TTGTCTTAAA	CCTTAGCTTG	GCTGGACACT
28001	GTGGTTCACG	CCTGTAATCC	CAGCACTTTG	GGAGGCCGAG	GCGGGTGGAT
28051	CATGAGGTCA	GGAGATCAAG	ACCATCCTGG	CTAACACGGT	GAAACCCTGT
28101	CTCTACTAAA	AATACAAAAA	AAATTTAGTC	AGGTGTGGTG	GTGCATGCCT
28151	GTGGTCCCAG	CTACTCAGGA	GGCTGAGGCA	GGAGAATGGC	ATAAAACCTG
28201	GGAGGCAGAG	CTTGCACTGA	GCCAAGATCA	CACCACTGCA	CTCTAGCCTG
28251	GGCGACAAAG	TGAGACTCTG	TCTCAAACAA	AAACAAAACA	AAAAAACAAA
28301	AACAAAAAAC	AAAACCAAAC	CAAAACAAAA	AAAAAACCT	TAACTCATAC

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
28351	TTTCATAAAG	TTCCACACAC	AGGGAGTGAT	TAGAAAGCAT	TTGCTGATAT
28401	ATTTTATATA	ATAAACATGT	ACACCATATT	GACCTGTGTG	CCCAGCAGTG
28451	CTTACATGAT	TTACAATGAT	TAACTTGTTT	AAGCTTCATA	ACAACGGTTG
28501	AGGCAGGAAA	CATCATTGTG	AACCATTGTC	ATCTCATTTT	ACAGATGAGT
28551	AAACTGAAGT	GCTGAGAGGT	TGGTTATGGC	TGCAAAGATT	GTTGGCCATG
28601	TTAACCAATG	CATAGAAGAT	TAGCATACCT	GGTTGTGAGT	GCAGGAGAGA
28651	GAGAGAAATG	GGAGAAAGGC	AGAGAAGGAT	CGATGGGGAG	AGAGGAAGAG
28701	AGAGAGAGAG	AATAAATTTT	TTAAAAATGT	CTAGAGTCAT	GACTTCCGCA
28751	TCAGTGTGGT	AATATGCAGC	CTTTACCCTG	GGAAAGATCA	GAACCATTGG
28801	TACTTTTTTAC	AGAATCTTCC	CTTCCTGCAT	TTGGGTAGAA	GGACCCCATC
28851	TGGACATCCC	AAATCATTA	GCACACCCTT	ACTGGCTGCT	GGAGTTGTCT
28901	CCATTAAAAG	TCACCGTTGG	GTTTATTAAG	AGGCGGACAC	AGGGTCCTTA
28951	GAACACACTG	CCCCCACCTG	TCCCACACCA	CCCCCCACCC	ACCCATCATC
Exon R1					
29001	CTCCCCAAGA	GCTTCATCTC	TCTCTCTCTT	CCCCCTGCCC	<u>TAGCCGGGGT</u>
29051	<u>GGTCAGCGAG</u>	<u>GAGCCATTCA</u>	<u>CACTGAACTT</u>	<u>CACCATCAAC</u>	<u>AACCTGCGCT</u>
29101	<u>ACATGGCGGA</u>	<u>CATGGGCCAA</u>	<u>CCCGGCTCCC</u>	<u>TCAAGTTCAA</u>	<u>CATCACAGAC</u>
29151	<u>AACGTCATGC</u>	<u>AGCACCTGGT</u>	GAGAGGCCTG	CCTCCCGCTG	CAGCCCTGCC
29201	ATGCCCATCC	TAGGGCTGTT	GCCTGCCTGC	CTCTGACCAA	CCCAAGCTCC

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
Exon R2					
29251	CTTCTCCCTC	TGCAGCTCAG	TCCTTTGTTC	CAGAGGAGCA	GCCTGGGTGC
29301	ACGGTACACA	GGCTGCAGGG	TCATCGCACT	AAGGTGAGAA	ACTCCCCCAC
29351	CCACAGCGCA	CCACCAAGAA	CTTAGAGTTC	TGACTGGGAG	GTCCCTCTTG
29401	GGTTGGGGTG	GGCTACATAT	TTTTTTTAAAT	CTTTTTTATCT	TTCCTTTTTTT
29451	TTTTTTTGTAG	ATGAAGTTTC	GCTCTCGTTG	CCCAGGCTAG	AGTGCAATGG
29501	CACGATCTTG	GCTCACTGCA	ACCTCTGCCT	CCCGGGTTCA	AGTGATTATC
29551	CTGCCTCAGC	CTCCCCAGTA	GCTGGGATTA	CAGGCAGGCA	CCACCATGCC
29601	TGGCTAATTG	TTTTGTATTT	TTAGTAGAGA	TGGGGTGTCT	CCATGTTGAT
29651	CAGGCTGGTC	TTGAACTCCT	GACTTCAGGT	GATCCACCCT	CCTCAGCCTC
29701	CCAAAGTGCT	GGGATTACAG	GCGTGAGCCA	CCATATCTGG	CCCCATTCTT
29751	TTTTTTTAAA	TGAATTTAAG	GAGTGCAAAT	GCAGTTTTTG	TTACATGCAT
29801	ATATTCCATA	GTGAAGTCTG	CAGACAGTAG	ACTTCCAGAC	AGTAGCTTCT
29851	GGTGTATCAC	CCGAATAGTG	TACATTGTAC	TTATTAAGTG	AGGTCCCCCA
29901	CCCTTCTCCC	ACTCTCCAC	CTTTCTGAGT	ATCCAGTGTC	TATTATTCCA
29951	CACTCCAGGT	CCATGCTCTC	ACGTATAAGT	GAGAACGTAT	GGTATTCCAC
30001	CATGAGCTAA	TGGACATGGA	GTCCATTGGC	TCCCACCTAT	AAGTGAGAGC
30051	ATGCGGTATT	TGACTATTTT	TGAGTTTCAC	TTAAGATAAT	GGACTCCCAT
30101	TCCATCCATG	TTGCTGCAAA	ATACATGATT	TCACTCTTTT	TATGGCTGAA
30151	TAGTATTTTCG	TGGTATATAT	ATATAACCACA	TTTTCTTTAT	CCAGTCTTCT

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
30201	ACTGATGGAC	ACTTAGGTTG	GGTCCATACC	TTTGCTGTTG	AAATAGTGCT
30251	GCAATAAACA	TACACGTGCA	GGTGTCTTTC	TTATATAAAT	GATTTCTTTT
30301	TTTCTTTCCT	TTTTTTTGAT	ATAACGAATT	TCTTTTATTT	GGGTAAATC
30351	CCCCAATAGT	GGGATTGNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
30401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
30451	TGACCTGTCC	GTATTGATAT	ATAAAATGCT	GCATTAAAG	TGTACAACCT
30501	GATATTTTGG	TATACATTGT	TAAATCATGG	CCACATTTC	GCTAATTAAT
30551	ATATCTATTA	TCTCTACATA	GTTATCATGT	TTGTACCCTT	TGACCAGCAT
30601	CACCCCATTT	GCTCCTCCTC	CCAGCCCCTG	GCAACCACCA	TCCTACTCTC
30651	TGCTTCTATG	AGTCTGACAA	TTTLAGATTC	CACCTATAAG	TTAGATTATG
30701	CGGTATTTGT	CTTCTGTGTC	CTGGCTTATT	TCACTTAGCC	TAATGTCCTC
30751	CAGCTCCATC	TATGTTATCC	CAAGTGGCAG	GATTTTCATC	TTTCTTATAT
30801	ATTTCAATTGT	ATATGTGTAT	GCCACATTTT	CTTTACCCAT	TCATCCATTG
30851	AAGGTCATTT	AGCTTGTTTC	CATATCTTGG	CTATTTTGAA	TAGTGCTGCA
30901	ATGAACATAG	GAGTGCAGAT	ATCTCTTTAA	GATACTGGTT	TCATTTCTTT
30951	CTTTCTTCTC	TTTTTTTTTT	TTCTGAGACA	GAGTCTGACT	CTGTCGCTCA
31001	AGCTGGAGTA	CAGTGGTGCA	ATCTTGGCTC	ACTGCAAAC	CTGCCTCCTG
31051	AGTTCAAGCG	ATTCTCGTGC	CTCAACCTCC	CAGGGAGTTT	TGCTCTTGCT
31101	GCCCAGGCTG	AAGTGCAGTG	GTGCAATCTT	CACTCACCAC	AACCTGTGCC
31151	TCCCGGGTTC	AAGCGATTCT	CGTGCCTCAG	CCTCCAGGT	AGCAAGGATT

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
31201	ACAGGCGCCC	AACACCACAC	CAGGCTAAAT	TTTTTTGCAT	TTTAGTAGA
31251	GACGGGGTTT	TGCCATGTTG	GCCAGGCTGG	TCTCAAATTC	CTGGCCTCAA
31301	GTGATCCACC	TGCCTCAGCC	TCCTGAAGTG	CTGGGATTTT	ACAGGCATGA
31351	ACCACCACAC	ATGGCCTCAT	TTCTTTTAGA	TATATATGGG	TTGAGCTATT
31401	CTCAGAGGGT	CCTTTTCTGC	ATCTATTTAA	GATCACATTT	TTTTTATATT
31451	GTGGCAAAAA	TACATGTAAC	ATAAAATCTG	CCATTTTAAC	CATTTTTAAA
31501	TGTACAATTC	AGTGACATTG	ATTATATTCA	CAATGTCATA	CAGCCATCAC
31551	CACTATTTAT	TTCTAATACT	TTTCCATTGG	GTAGATCCCC	AACAGTGGGA
31601	TTGCTGGGTC	AAATGGTAGT	TCTGATTTTT	TTTTTTTGTT	TTTTGAGAAA
31651	TCTCCATACT	GTTTTTCATT	TGAGGTTGTA	CTAATTTACA	TTCCCACCAA
31701	CAGTGTATAA	GAGTTTCCTA	GGCCGGGCAT	GGTGGCTTAT	GCCTGTAATC
31751	CCAGCACTTT	GCGAGGCCCA	GGTGGGTGGA	TCATGAGGTC	AGGAGATCGA
31801	GACCACCCTG	GCTAACATGG	TGAAACCCCG	TCTCTACTAA	AAATGCAAAA
31851	AATTAGCCGG	GCGTGGTGGC	GGGTGCCTGT	AGTCCCAGCT	ACTGGAGAGG
31901	CTGAGGCAGG	AGAATGGCAT	GAACCCTGAA	GGCGGGGCTT	GCAGTGAGCT
31951	GAGATCGCAC	CACTGCACAC	TTCAACCTAG	GCGACAGAGC	GAGACTCCAT
32001	CTCAAAAAAA	AAAAAAAAAA	AAAAGGTTTC	CTTTCAGTGC	ATCCTTGCCA
32051	ACTTGAGTTT	TCTGGGTTGG	TTTGCACTCT	CATGGTATTT	ACTAGATACT
32101	TCTCCATTTA	TATTTTTTACT	CAACCCATGC	CCATAACACC	ACTCCTCTAC

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
32151	CATTCCCACC	AACCATGTAT	AAGAGTTCCT	TTTCTTGCAT	CCTTGCCAAC
32201	TTGACTTCTT	TGGGTCAGTT	TGCACTCTCT	TGGTATTTAC	TATTTACTTC
32251	TCCATTTATA	TTTTTAGTCA	ACTGATGCCC	ATGGCACCGC	TCCTCTGAGG
32301	CAGGTGCTGG	GTACTAGAGT	GATAAGACAG	ATGCTGTCCC	TGCCCTCACC
32351	CAGTGGAGAA	GAACAGATGC	TAAACAGGAA	CATAAATATC	TAAGTAAAAT
32401	GGCTTCAAAT	GGAGTAAAGT	GATATGAAAC	ATAAATAAAT	AGCAAGTGAT
32451	GGGTAGAGCA	ACTTTACCCA	GGATGAATCT	TGGGCTGTGT	CCCAAATGGC
32501	CATGAAAAC	GTTCCAGGCA	GGGAGAACAG	CATGAGAAAA	GGTCTTGAGG
32551	TGCAAATGAG	CTTGGCATGT	TCTATGAACA	GCAAAGAGGC	CAGTGTGGCT
32601	GGAGCAGAGA	GAGAGCAAGA	AGAAAAGAGA	GAAAGGATGA	GA CTCAAGAC
32651	ATCAGCAAGT	TTGAAGGGCC	TTGGAGGACT	TGGATTTTTT	TTTTTAAGAC
32701	AGCTTTGTTC	TTGTTGCCCA	GGCATGATCT	CGGCTCACCA	CAACCTCCGC
32751	CTCCTGGGTT	CAAACGATTC	CTCTGCCTCA	GCCTCCCGAG	TAGCTGGGGG
32801	TAACAGGCAT	GTGCCCACCA	CACCTGGCTA	ATTTTGTATT	TTTAGTAGAA
32851	ATGGGGCTTC	TCCATGGTTG	GTCAGGCTGG	TCTCGAACTC	CCGACCTCAG
32901	GTGATCCGAC	CGCCTCGGCC	TCCCAAAGTG	CTGGGATTAT	AGGTGTGAGC
32951	CACTGCACCT	GGCTTGGATT	TTTTTTGTTC	TATATTGTGG	TAACATACAC
33001	ATCACATTAA	ATTGATCATT	TTAGCTATAT	TTCCCGTTCA	GTGGCATCAA
33051	GCACATTCAC	ATTATTGTGC	AACCATCACC	ACTATCATCC	ATCTCCAGAA
33101	CTTTCTCATC	TTCCCAAAC	GAAACTCCAT	CCCCATGAAA	CACTCATTCC

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
33151	TCATCCCCCT	CCTCAAGCCT	CTGGCACCCA	CCATTCTACT	TTCTGTCTCT
33201	GTGAATCTGA	TGATTCTGAG	GACCTCCTAT	GAATGGAGGA	ATCATATGGT
33251	ATATGTCCTG	GTTTATACTG	TATGGCTGGC	TTATTTACC	AAGCATAATG
33301	TCCTCAAAGT	TCATCCATGT	TGTAGCATGT	GTCAGAATTC	CCTTCCTTTT
33351	CCACTTGTAT	GTAAATGCTG	TATTGTGTTT	CTCCATTCAT	TAGGACTTTG
33401	ATTTTTGCAG	GGAGTTGTCA	AGGGGTGCTG	GGTTCTGGGG	CTTCAATATA
33451	ATAAGAGTAA	GCTAAACTGG	TTCATTTCTT	CCTTCGTGGA	GACCATGTTC
33501	TGGTAGGAAC	AGGAACAAAT	AATTTATGAT	TACATAGAGG	GTGACCAGGG
33551	CAGTGACAGG	GGAAGAGTGG	AGGATTGTGG	GACCCAGAGG	AGGCTCCTGA
33601	CCTTGCCTAG	GAAGATAGGA	GGAGGAAGAG	GAGGAGGAAG	AGGAGGAGGA
33651	AGAGGAGGAG	GAGGAGGAGG	AGGGAGTCCT	CTAAGCTGAG	ACCTGGAGGA
33701	TGACCAGGAA	GTTATCCAGG	TAAGGAGAAA	TGGGGAGAAG	CTTCCAGACA
33751	AAAGTAACAG	CAATTGCAAA	GATCCTGAGA	TGATAGATAA	GGTCAGGTGG
33801	AGAAAGTGCA	AACTGTCAAT	GAGACCAAAA	TATGGACTGT	GAGTTGTGCA
33851	GTGACCACAA	GTGGAGAGGT	GCTAGGTGGC	CTTCATCCCC	CAAAGCTGCA

Exon R3

33901	<u>CCTCTCCCTC</u>	<u>CTCAGGTCTG</u>	<u>TGAAGAACGG</u>	<u>TGCTGAGACA</u>	<u>CGGGTGGACC</u>
33951	<u>TCCTCTGCAC</u>	<u>CTACCTGCAG</u>	<u>CCCCTCAGCG</u>	<u>GCCCAGGTCT</u>	<u>GCCTATCAAG</u>
34001	<u>CAGGTGTTCC</u>	<u>ATGAGCTGAG</u>	<u>CCAGCAGACC</u>	<u>CATGGCATCA</u>	<u>CCCGGCTGGG</u>

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)				
34051	<u>CCCCTACTCT</u>	<u>CTGGACAAAG</u>	<u>ACAGCCTCTA</u>	<u>CCTTAACGGT</u> GAGCAGCTAT
34101	CAGCCCCATC	TCCCTGCCCC	ACCCCCCAGC	CCCCACTGCA GTCCAGGAGG
34151	GTGTCTGTTT	GCCGGTTCTC	TAGGGAAAGA	CTTGGGGTTC AAGTCTTGGC
34201	ATTACCACTG	GCCCTCCCAT	AACCACAATG	CAAGGTTGGA CTTTGATTAA
34251	TCCCATTTTA	CAGATGAAGA	AACTGAGGCT	TAGACAGGCT AAGCAATTTA
34301	CCTTGACAGT	GGTGAACCA	GGATATGAAC	TCCACTTGTC AGCATTCGGT
34351	GCTATGATCC	ACTCCACATG	TTTAACTCAC	AGAAGAGTCT TCCTGGTGGG
34401	GGCACTTGGG	GGACAAAAAA	CACATTTCCG	GCTGTGAGCA GTGGCTCACA
34451	CCTGTAATCC	CAGCACTTTG	GGAGGCCAAG	GCGGGCGGAT CACAAGGTCA
34501	AGAGATTGAG	ACCACCCTGG	ACAACATAGT	GAAACCCTGT CTCTACTAAA
34551	AATACAAAAA	TTAGCTGGGT	GTGGTGGCGC	ACGCCTGTAG TCCCACCTAC
34601	TCGGGAGGCT	GAGGCAGGAG	AATCGCTTGA	ACTCGGGAGG CAGAGGTTGC
34651	AGTGAGCCAA	GATTGCGCCA	TTGCACTCCA	GTCTGGGTGA CAAGAGTGAA
34701	ACTCTGTCTC	AAAAAAAAAA	AAAACAATTT	CCCCTCCCTG CTTTCTTCTC
34751	ACCATTGACG	AGGGATGGGC	TTCTCTCCTA	CCTGAGGCCC CCTATACCAG
34801	GAAGATCTAT	GGGATCTAAT	CTTCAGCGCA	CACTGGGCCT CAGCATTGGT
34851	CTAGAACTCA	GGATAAGATA	GCATTTAAGA	AGGCATCCCC TAAATGGGGT
34901	TCTGAGAGGC	AAAGCATGAC	CGTGGAGAAT	TGACAAAATA GCTCGCCTTT
34951	CATCCCCCTC	ACCGCCAACC	CAAGAACAGT	GCTTATCATC ATGACCCCAT
35001	GAGGTGGGCA	CCCCATATCA	CTTATATGAG	GTACCTTTAG GTAGGTACCG

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
35051	GGATGTGGAG	AGACATCCTG	GGCTTTCATT	ACTCTTATTT	TAGCAAAGAG
35101	GGAATCTGAG	GCACAGAGAA	GGGAAGGGAC	TTGCCCATGC	CCACAGCGAG
35151	TTTTTGGCTA	GTATGGGTCT	TGATGTTCTT	TCTGGGTCCG	TNNNNNNNNN
35201	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
35251	NNNNNNNNNT	TCCTGCGTGG	GAGATGTGTG	GATTTGATTT	GTATCTGGAA
35301	AGATGATTTT	TTATTGGTGA	CAAAGCAGTT	AAAGTTAATC	TTCACAGTTG
35351	TGCGGAGAGT	GACCACGCGA	GTTAGTCTTA	TCCTTATTTT	TTTGATCATC
35401	CCGCTACACA	AGACAAAGCG	AACCGCACAG	GCAACATCAG	CAGGCCCCAT
35451	TGGTGTGTTT	CCCTCTATGG	GTCCATGTGT	TCTCATCATT	AGCTCCCACG
35501	TATAAAGTGA	GAAGATGGCA	GTATTGGTTT	TCTGTTCCCTG	CATTAGTTTG
35551	GTAAGGATAA	TGACCTCCAG	CTCCAACCAT	GTTCCCTGCAA	CGGACATGAT
35601	CTCATTCTTT	TTTATAGCTG	CATAGTATTC	CATGGTGTAT	ATGTCCTCA
35651	TGTTCTTTAT	CCAGTCTATC	CTTGATGGGC	ATTTAAGTAG	ATTCCATGTC
35701	TTTGCTATTG	TGAATAGTGC	TTCAGTGAAC	AGGTGTCTTT	ATGATAGAAA
35751	AATTTATATG	CCTTTGGGCA	TATATGCAGT	GATGAGATTG	CTGGGTCAGA
35801	CGGTAGTTCT	GTTTTTAGCT	CTTTGAGGAA	TCATCCTGCT	GCTTTCTACA
35851	GTGGATGAAC	TAATTTACAC	TCCCACCAAC	AGTGTATAAA	CACTCCTTTT
35901	TATCTGCAAC	CTCAGCAGCA	TGGTTTTATT	TCTCTTTATG	GCTGAATAGT
35951	GTTCCATTGT	GCATATATAC	CACACTTTCT	TTATGGATTG	ATCTGCTGAT

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
36001	GGACATATAG	GTTGATTCCA	CATCTCTGCT	ATTGTGAATA	GTGCTGTGAT
36051	AAACACACAG	GTGCGGGTTG	GGTCTTGATG	ATCTCAGTTA	ACATCCAGTC
36101	CCTTCAACTT	GGCTATTGCA	GGGAGCTGTT	CCCCCTTGTA	AACTGCACAG
36151	CTTATGTGCT	TCATTTTGTG	CCTTCATTTA	GATTTACCAA	GCAGCTACTA
36201	TTAACCAGGC	CACAATGTGC	CTCGCCCCCA	GGAACAGAGA	TAGGTTACAT
36251	GTGCATCCTG	TCCTAATGTA	ATCTCCAGGG	GGGCGGAGAC	TGTTTTGTTC
36301	TACCCTATAT	TCCCCAAATG	TAAAGGGAGC	CTTGACATA	CTAAGCCCTT
36351	AATAAACATT	CATTGGGTGG	AGGAATAGAT	TGGAGGAGGC	CTGGAAGGGG
36401	AGGCGGGGGT	TATGGATGGA	TAGGAGGATA	GACTTGTGAA	CACAAAGGTA
36451	GTGAGAGCCT	CTCATTGGAG	GCATGCTGGA	GACGTGAGTA	GGGAAGGGTC
36501	AGTGCTAATT	GAAATATCAG	GAAATTCTTT	CTAGTGGTGA	ACACATTTAA
36551	GTCAAATATT	AGATGATACA	TAAATGTATC	CATAATCTCT	AGATACACAA
36601	AGGGAAAGGC	ATCCAGGCAG	GGGCCCCATA	TGGACAAAGG	CATGGAGTAT
36651	CTGGGACGGT	TCCACCACCT	CCTCTTACGT	GTGACTTCTT	TGTTTCAAGG
Exon R4					
36701	<u>TTACAATGAA</u>	<u>CCTGGTCTAG</u>	<u>ATGAGCCTCC</u>	<u>TACAAGTACG</u>	TGTCTTTGAA
36751	TCTAGTGCCC	ATTTC AATCT	CCATGGGTCT	TGGTTCAAGC	TTTTCTCCTC
36801	ATTCATGAAG	GAAGGTTGCC	CCAAATTCGG	GCTGGTCCCC	TAGGTGGTGA
36851	GGGGCATTGT	CTCAGTGGGA	GGAAGAATGC	TGAGTCCTTG	GCCCTGTTTT
36901	TAGACCTGCA	GCCATAGTCT	TGGCTTTGTG	AATTTTCCAT	GTCCCTCTGG

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
36951	GTTGGAGGAA	GAAGTTTGAA	CAAGCATTC	CTACACGGGA	TAGAGGTTGA
37001	GGTCAGATGA	TGACCTCTGT	TAGTCTGTAC	CCTCCTTGAT	AAGAAAATCT
37051	CCTCCAAGTG	CCCCAGCAGA	GGCTTCATGG	TCAAGCTGCA	GACTCTGCTG
37101	GCTACTGGTT	TTGGCTAAAT	TTGCCCATTG	CCTCATCCAG	TGATCCACTC
37151	GTCTATCTTT	CCAGCCATCC	ATTTTCTAT	CCTTCCAGTC	ATCTCTCAGA
37201	CACCACCTGT	CCTTCCATCC	ATCCATCCGT	CCATCCATTT	ACCCATCCAT
37251	CCATCCACCC	CATTTTCCTG	ACCATTTACC	TCCTCGTCCT	TCCTTCCATC
37301	TGTCCTTTTA	TCCATCTATT	CATCCATCAC	CCATCCTCCT	GCCCATTCAC
37351	CTGCTTGTCC	CTCCTTTCTT	CTGTCCTTCT	ATACATCCAT	CCATCCATCC
37401	ATCCATCCAT	CCACCCATCC	ACTCATCCAC	CACCCACCCA	TCCTTCTGCC
37451	CACTCACTCG	CTAGCCCCTC	CTTCCTTCTG	TCCTTCCATC	CATCCATCCA
37501	CCCATCTTCC	TGCCCCATTCA	CCTGCTTGTC	CTTCCTTCTA	TCTGTCTTTT
37551	ATCCATCTCT	CCATCCATTC	TCACCATCCA	TCCATCCATC	CTTCTCCCTA
37601	TTCACTGGTT	TGTCTTTCCT	TCTGTCCTTC	CAACCATCCA	CCCATCTCTC
37651	CATTCATTCT	CCTCTTCATT	CACCATGTTT	CCTTATTTCT	GTCTCTTCCA
37701	TCCATCCATC	TATCCAGACA	GACATCTCCT	CCCCCATTC	TCCTCCCCAT
37751	TCACTCAATT	GTCCTTCCTT	CCATCTGTCC	TTTTATCCAT	CCATCCACCC
37801	ATCCATCCAT	CCATCTATCC	TTCTCCCCAT	TCACCTGTTT	GTCCTTCTTT
37851	CTGTCCTTCC	AACCATCCAT	CCATCCATCA	TCCATCCATC	TATCCTTTTC

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
37901	CCCATTACACC	TGTTTTGTCC	TTCCTTCTGT	CCTTCCAACA	TCCCTCCATC
37951	TCTCCATCCA	TCCTCCTGCC	TATTCATCTG	CTTGTCTTTC	CTTCCTTCTG
38001	TCCTTCCATC	CATTCATCCA	TCTGCCCATC	CACCCACTCA	TCCTCTTGCC
38051	CATTACACTG	CTTGTCCCTC	CTTCCACCTG	TCCTTTTATC	CATCCATCCA
38101	TCCATCCATC	TTGCTCACTC	CTCCACTCAC	ACAATCACTC	CTTCCCTCAG
38151	TCTCATTTAT	GGCCCACCTG	TGAATGGTTG	TCCTGGCTTG	GACCACTGAT
38201	GAAGCCCAGG	GGAGCTTCTC	CCACTAGTGG	TGGGCTTTTG	TCCTCTCTGA
Exon R5					
38251	TGGA CTGTTC	CTTCCACAGC	<u>TCCCAAGCCA</u>	GCCACCACAT	TCCTGCCTCC
38301	<u>TCTGTCAGAA</u>	<u>GCCACAACAG</u>	GTATTTGGGG	CCATTTTTC	TCCTCGAAGA
38351	TTAGAATAGC	ATTTCAATCA	GACACCTGCC	CTCGTGGAGT	CCCAGATTTT
38401	ATGAAATAAA	TAGACCATCA	TAATGTCAGA	TGTTTTGGGG	TGAGATACCT
38451	GGCATAGTTG	GGAAGGAGGA	GGGCTTTCTG	GAGAAAGTTT	CACCTGAACT
38501	GAGTCTTTAA	GGATGACTAA	GAGTGATTCA	GGCAAATAGG	GCATGAATAG
38551	TATAACTGAA	AGAGGGGAAT	CTGTGAGCAA	AGCCTCAGTG	GCCAGAAACA
38601	GCATAGAGTA	TAGGGAGAAG	TGAGAGAAAT	TTGGTTTGCA	TGAAACATAA
38651	AGCTTAACCC	AGAGTGGATG	GATAAGTGAG	ACTGAAAGGT	CAGCAGGAGC
38701	CAGATTGGGA	AGGGCCTTGA	ATGCCAAGTC	AAGAAATTTG	AACTTAACAC
38751	TGAAGGCCAT	AGGGAGCTGT	GGATGGTACT	AGAGCAGGGG	CAGCCATAGT
38801	GAGATTGTCA	TTTCAGAAAG	ATTCTTCTTG	TGTTCA GTAT	AGAGAATGTC

Table 2 (continued)

		Genomic Repeats (SEQ ID NO: 2)				
38851	CTTTAGACAG	GGCATCCAGT	GAGTCTGCCA	GGTGCTAATC	AGGGTGAGAG	
38901	AAAATAAGAC	CTGAACTGGG	ATAGGGGGAG	GAGAGAGAGG	ATATATGTGA	
38951	TGAATATTCA	GTAAAGAGAA	TTGGTGTTAC	TTGGAGGGGA	GAAGACACAT	
39001	AGCTTCTGAC	TTGCGATGGC	CACACTCAGT	TTAATAATGA	GCGCAGTCTG	
39051	ATCTAGTCTC	AGACCAGCCC	TCAGTTGCAG	ACGTCTCTCC	TCCCCTCCTG	
Exon R1						
39101	CAGCATGGGG	TACCACCTGA	AGACCCTCAC	ACTCAACTTC	ACCATCTCCA	
39151	ATCTCCAGTA	TTCACCAGAT	ATGGGCAAGG	GCTCAGCTAC	ATTCAACTCC	
39201	ACCGAGGGGG	TCCTTCAGCA	CCTGGTGAGA	CCCTGGTCCC	AGCAGCTCCT	
39251	GGTGGGATAA	ATCCTACCCC	CAACCTCTGT	TCCTCGGCTT	ACCCTCTTCC	
Exon R2						
39301	TCCTTCCTCT	CAAGCTCAGA	CCCTTGTTCC	AGAAGAGCAG	CATGGGCCCC	
39351	TTCTACTTGG	GTTGCCAACT	GATCTCCCTC	AGGTGAGACC	ACTTCCTGGC	
39401	CATTTGCCAG	TAACAACCAC	CCCTTTTGTG	ACCACCCCTT	CCTCAGCTTT	
39451	CCCCTGCTCC	TCCCTCCACT	GCTCTTTACC	TGCAGAGGTC	TCGGGACCTC	
Exon R3						
39501	TCTAGAGTCC	TCAAATGCCT	CTCTCCCCAG	GCCTGAGAAG	GATGGGGCAG	
39551	CCACTGGTGT	GGACACCACC	TGCACCTACC	ACCCTGACCC	TGTGGGCCCC	
39601	GGGCTGGACA	TACAGCAGCT	TTACTGGGAG	CTGAGTCAGC	TGACCCATGG	
39651	TGTCACCCAA	CTGGGCTTCT	ATGTCCTGGA	CAGGGATAGC	CTCTTCATCA	

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
39701	<u>ATGGT</u> GAGTG	TCAGGCTGAA	CTTGGATTTA	CAGTGACTTT	TGGGGAGTTG
39751	GTTTCTTTGT	TTTTGAGATG	GAGTCTCACT	CTATCACCCA	GGCTGGAGTG
39801	CAATGGTGCA	ATCTTGGCTC	TGCAACAGTG	ATTCTCCTGC	CTCAGCCTCC
39851	CAAGTAGCTG	GGATTTACAG	GTGCATGCCA	CCACGCTCAG	CTAATTTTTG
39901	TATTTTTAGT	AGAGATGGGG	TTTCACCATG	TTGCCCAGGC	TGGTCTCGAA
39951	CTCCTGACCT	CAGGTGATCC	ACCTGCCTTG	GCCTCCCAA	GTGCCAGGAT
40001	TACAGGCATG	AGCCACCATG	CCCGGCCAC	CATGACTATT	ATTTGTCCCT
40051	GTTGTATGCC	CTTTCCTCTC	TAAAAAAAT	AGCCCAAGGC	CTGGCTGGGG
40101	GACACCCTTC	CCCAAACCAC	CAAGGGGAGG	GTCTTTCCCA	TTATTTTGAG
40151	TAAATAGCAT	GAAATTCTTT	GACCAAATTA	ATGTCATAAA	TTGTTTGTCT
40201	CTTCTCCTT	CACTTTTGTT	TCCAACCTGG	TTGCGGTATA	ACTATCAAAT
40251	ACAATTGTAT	GTATTTAAGA	TGTATAATGC	AGTGATTAA	TATATGTGTA
40301	GCTTATGAAA	TGATTACCAT	GATCAAATTA	GTTAACTG	CTTTCATGTC
40351	ACATAGTTAC	CGTGTGTCTG	TGTGCGTCTG	TGTGAGTTAG	AGAGAAAGAG
40401	AACATTTAAG	GTCTACCCTC	ATAGAAAATT	TCAGGTTTAC	AATACAGTAT
40451	TATTAACAT	AATCATCAAG	CTTTATACTC	GATCCCCAGA	ACTTATTCAT
40501	CTTGTAACATA	AAAGTTTGTA	TTTTGTGACC	AACATCTCCC	CATTTTCTCT
40551	ATCACCACCC	CCATGCCCCC	AGCCCCTGAT	AACCATCATG	CTACTCTCTG
40601	CTTCTGTAAG	TTTGAATTCT	GATCCCACAT	ATAAGTGAGA	TCATGCAGTA
40651	TTTGTTTCTC	TCTATCTGGT	ATATTTCACT	TAGCATAATG	AACCCCCCCC

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
40701	AGGTACATCC	ATAATGAATT	TCAATTCAAA	ACCCAAGTGG	CTGAGTCGTG
40751	GCATCCTTTG	GGACAGGATA	GCAGGTC CCT	TCTATATAAG	GATCCTCTGT
40801	GTCAGTGGTT	ATTACCAGGG	GACAATTCTG	CACTTCTGCC	CCACCCCACC
40851	CCCCAACTGG	GAGACTCTAG	GCAATATCCG	AAATCATTTT	TGGGTATCAC
40901	AACTCAGGGA	GGGAAGGAGG	GTGCAACTGG	CACCTAGTGG	GTCGGTAGCC
40951	CATTTTCCAG	TGCACAGGAG	ACAACCACCC	CAGGGAATGA	TCCAGCCCCA
41001	AATGCCAATA	ATTTCAAGGG	TGAGAAATCC	TGTTGTACAT	GGTCTCAAAG
41051	TTCTTAGGTG	GGCACAAGGC	TGACATTTAT	CACACTTTAC	TGTAATTACT
41101	TGTTAAATTT	ATCTGATTCC	CCCTTACCCT	GTGAACTCAA	CAAAATTACG
41151	GTCTATTATG	AGTGCCACTG	TACCCTCGGT	TCGCAGTACA	TCAGCACATC
41201	ATAGTATGGA	AAGAATCATT	GAATGAGTGA	GCAAATTAAA	GATTTGTGTC
41251	TCTGCTGTAA	CTCACATTCA	TTAATTCATT	CATTCAGCAA	ACATATATGG
41301	GTGGCTGTTC	TGCCCCAAGC	CTTG TACTGG	GTCTGGAGAT	AGAAGACACA
41351	TTTTTCTGTC	TCTGAAAAAC	TCATACTCAA	GTTAACAACA	AATTACGGGC
41401	ACAACAAAGA	CCCCACTGCT	GTTATTAACA	GGGTACTATG	GGAGCTGAGA
41451	GGAGGAGTAA	ATTAAGGAGG	GCTTCCTGGA	GGAGGGTGTT	ATATACCCGG
41501	CCCTGTGCCG	GGACACATAA	TGATAAGACA	GACTTGGGCC	TCTGCTGTCC
41551	TGGAGCTCCC	TCTCACTGGG	CTCTTGAAGC	GTGAGCAGGA	GTTTTGCAGG
41601	AAATGAAAAG	GATGCATTCC	TAGAAGTGGG	AACTGCATAG	CACATGCAGG

Table 2 (continued)

Genomic Repeats (SEQ ID NO: 2)					
41651	AAAGCTCAGC	TCAGAAGAAT	CTGTGTAATA	TTCCATTTTT	CCCTCTCTTT
41701	GGGGCAACTT	TCTGTCTAAG	AGCTCCTGCA	ATGCCCAGCG	TGTGGACCTG
41751	AAATTGATTC	TGACAGTAGG	CAGGGGACTG	CTGGGCAACT	TTGGCTCTGC
41801	ATTTTGTGAT	CAACATTTCC	CCACCATATG	TTGCCTTTTC	TTCTTCTCTG
Exon R4					
41851	TGGCTCCAGG	<u>CTATGCACCC</u>	<u>CAGAATTTAT</u>	<u>CAATCCGGGG</u>	<u>CGAGTACCAG</u>
41901	<u>ATAAATTTCC</u>	<u>ACATTGTCAA</u>	<u>CTGGAACCTC</u>	<u>AGTAATCCAG</u>	<u>ACCCACATC</u>
41951	<u>CTCAGAGTAC</u>	<u>ATCACCCCTGC</u>	<u>TGAGGGACAT</u>	<u>CCAGGACAAG</u>	<u>GTGGGGCATC</u>
42001	TCTCACCCCT	CCCGTCTTCT	CTGTCCTGTG	TGCTTCTCTC	CCTCTTCTAC
42051	CTGATTTCTC	TGTTAAGTGA	TCACTTTAAA	TGCTTCACTT	CACTATGTAT
42101	TCTGGGTTCT	CTCTCAGTTT	CCAAAAGTAC	TCTCTTGACT	ACCATTCCCA
42151	TTTCACAGAT	GGGCAAACTG	AGGCTCAGAA	AGGGGCGTGG	TGTGCCTAGG
42201	GTCATACAGT	GCTTTAGGAA	CAGAGTTAGG	ATTTGAACTC	TGGTCCCCTT
42251	TGCTCCAAGT	CCTGTGTTTT	TTTCCACTGG	CATCAGCGGC	CCCTCCACCC
42301	CCAAGAGGCC	TCCATCTCAC	CCACTCTCCC	TACCCATCTT	TCTAGGTC

Table 3

Genomic Carboxy Terminal
(SEQ ID NO: 3)

Exon C1

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1  ACCCACTCT ACAAAGGCAG TCAACTACAT GACACATTCC GCTTCTGCCT
51  GGTCACCAAC TTGACGTAAG TTCTGAAGGT CATAAGCAGT GACCAAGCTT
101 GTGGCTGTGT CTCTGAGCAC CCTTGAGCTA GACGTCCCCA GTGGGGTACC
151 CATTCTCCCC TACATCCCTG TCTAGCTAAT CCTACCATCT CCTCCCATAA
201 ATCCTCAAGG TAGGGAGTGA GGATTAACCT CATGGGGCCA CCAACTCCCA
251 GCATACACCT TCTTTTTTTT CTGGACACTT GGGAAAATAT AACTTTTTGA
301 TGTAGAACTC AAAATATTAG CCCAATAATA ATATTTAACA TCAACCAGCC
351 TCCTCTCATT TAATTCTCAC AACAGAATCT ATGAGTTGAG TGCAAAAATC
401 ATCCCTATTG TGCAGATGGG AAAACTGAGG GTCAGAAAAG TGAACCTCCC
451 AAGAACTGTC AAAGTTGGGA TTTGAACCCA GGTCTCTGAT GACTGGATGA
501 AGGAATGAAG ATACCTATAC TTGGGAATGA GGAGGGTCGA CAGGACACGA
551 GGGCTGACTT TGTATATTTT TAAACTTCAA AGATTTTCTG TATTTAGCT
601 GGGAATATGG TAGAAGGTTA ATTGGAACAA AAAAATGCAA AGCAATGAAT
651 AAGACCTCAG TATTTGCTAT GCACAACAGG GTGACTGTAG TCCCACAAAT
701 AACTTCACTG TACATTGTTA AAATATAACT AAAGGTGTAT GCTTGGATTG
751 TTTGCAACAC AAAGGATATA TGCTTGAGGG GATGGATACC CCATTTACCC
801 TGATGATTAT TATGCATTAC ATGCTTGTAT CAAAACATCT CATATACCCC
851 ATAAATATAA AAACACCTAC TATGTACCCC AAAAAATTAA AAACAAATAA
1051 AGGCATGGTG GCACACACCT GTAGTCCCAG CCACTCAGGA AGCTGAGGTG
1101 GGAGGATCGC CTGAGCCTAG GAGGCTGTAC TCCAGCCTGG GTGACAGAGC
1151 GAGACTCTAT CTCAAAAAAT AAAATAAAAT AATAAAAAGT AGAAATCAAG
1201 AGGGAAAATG TGGGAGAAAT TGGGATAATT TTAACAATAC CTTCCACCAG
1251 AGTGATGATG AAGAATGCAT AAGTCACTTC TTAGTGGTCT TGATCTATAA
1301 AAAGTGTTCA ATAAATATCG ATTATTGTTA CTGTTATTGC TTCTAGACGT

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Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
1351	AATTCCTGGA	AGCATTTTTT	TTTTTTTTTT	TTTTGAGATG	GAGTCATGCT
1401	CTGTTGCTCA	GGCTGGAGTG	CAGTGGTATG	ATCTCGGCTC	ACTACAAC TG
1451	CCTCCTGGGT	TCAAGCAATT	CTCCTGCCTC	AGCCCCCAT	GTAGCAGGGA
1501	CTACAGGCAT	GCGCCACCAC	ACCCGGTGAA	GTTTTGTATT	TTTATTAGAG
1551	ACAGGGTTTT	GCCATGTTGG	TCAGGCTGGT	CTCGAACTCC	TGACCTCAGG
1601	CAATTGCTCT	GCCTCGGCCT	CCCAAAGTGC	TGAGATTACA	GGCTTGGGCC
1651	ACTGCATCCA	GCCGAAGGCC	TCCCATTTTG	ATCAGAACCC	TTCTCTAGAC
1701	TGAGGGTGGG	TGCCTCTAGA	TCTTTTGCTC	TTTAAAGACA	GCAACCGATG
1751	ACCCTGCTGA	TGCTGAGTAC	TGGCTGAATT	CCTGTGGTCT	CTGTCCCTAG
Exon C2					
1801	<u>GATGGACTCC</u>	<u>GTGTTGGTCA</u>	<u>CTGTCAAGGC</u>	<u>ATTGTTCTCC</u>	<u>TCCAATTTGG</u>
1851	<u>ACCCCAGCCT</u>	<u>GGTGGAGCAA</u>	<u>GTCTTTCTAG</u>	<u>ATAAGACCCT</u>	<u>GAATGCCTCA</u>
1901	<u>TTCCATTGGC</u>	<u>TGGGCTCCAC</u>	<u>CTACCAGTTG</u>	<u>GTGGACATCC</u>	<u>ATGTGACAGG</u>
1951	TACAAGGTGG	GGTGGCTGGT	TTCCTAACTG	GAAGAGGTGG	GGTTATGAGG
2001	AAAGATGGGG	CTTCTCGGTA	CCAGTGGAAT	TGGTGGAGGC	TCTAGAGAGG
2051	GAAAGGGAGG	CTTTCTGGAG	ACCCATGTAG	GTGACCTCTG	GCAGTAGATC
2101	ATCCAACGAG	GCAGGAACAG	AACACCAGCC	ATTGCATCTA	AGAGAATAGC
2151	TATTTTTTACA	TGTAAAAAGA	ATTGTGTTGA	ATGAATGAAT	CAATAGATCA
2201	TTTATTTTGA	ATCAATTTAT	TGATTCATTC	ATTTAATTAA	TGAATAATAA
2251	ATGATTCAGT	ACATAATTGA	TTAATTGATG	TAATTGAGAA	TTGATTTAAT
2301	TGATTAATTG	ATCAATTAAA	ATGATCAATT	AAATGAATGA	ATCAGTAAAT
2351	GAATAATTCA	TTCATTCAAT	AAACAATGGA	AGTAGGCCGG	GCATGGTGGC
2401	TCACGCCTGT	AATACCAGTA	CTTTGGGAGG	CCCAGGCAGG	CAGATCACGA
2451	GGTCAGGAGA	TTGAGACCAT	CCTGGCTAAC	ACGGTGAAAC	CCTGTCTCTA

Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
2501	CTAAAAATAC	AAAAAAAATT	AGCCAGGCAT	GGTGGTGGCC	ACCTGTAGTC
2551	GCAGCTACTC	GGGAGGCTGA	GGCAGGAGAA	TGGCGTGAAC	CCGGGAGGCA
2601	GAGCTTGCA	TGAGCCGAGA	TCGCGCCACT	GCACTCCAGC	CTGGGCGACA
2651	GATGGAGACT	CTGTCTCAAA	AATAAATAAA	TAAATAAAAA	TAAAAAATAA
2701	ATAACAATG	GAAGTAAACA	CGTACTGATA	ACACAGTGTG	ATCATTGCTA
2751	TGATAAGGGA	ATTTCAGGGG	CCTGTGGGAG	CCCCAAGGAG	GAACACACAA
2801	CCTTGTCTTG	GAAAGTTTTA	TGTAGGAAGG	GGTGAAGAAG	CTGAGATCTG
2851	ACAGAGAATG	GGACCTAGCC	AGGGGTAATA	GATGGAGAAT	TGTGCTCCAT
2901	GCATCTATAA	CCTAGAAGAT	AGAAAGAATA	TGGCATCTGG	CCGGGTGCGG
2951	TGGCTCACGC	CTGTAGTCCC	AGCACTTTCA	GAGGCTGAGA	TGGGTGGATC
3001	ACCTGAGGTC	AGGAGTTCAA	GACCAGCCTG	ACCAATATGA	TGAAACCCCA
3051	TCTCTGCTAA	AAATACAAAA	ATTAGCCAGG	CATGGTGGTG	CGTGCCTGTA
3101	ATCCCAGCCA	CTTGGGAGGC	TGAGAGAGGA	GAACTGCTTG	AACTCGGGAG
3151	GCGGAGGTTG	CAGTGAGCCG	AGATTGTGCC	ATTGCACTCA	AGCCTGGGCA
3201	AAAAGAGCAA	AACTGCATTT	CAAAAAAAAAA	AAAAGTGGCA	TTTTGGGGCA
3251	AGTTTAAGAA	GATTGGTGTA	GCTGGAGCAT	CCACTTTGAT	ACTGGAGAGG
3301	TGACAGTTGA	AGCCAAAGAT	GTGGGCAGAG	ACTTTGTTGG	GCACTGGAAT

Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
3351	GGCTTGGGGA	GGAACATGAC	ACACTCATGA	GTTCTGCTTT	AGAAAGAAAA
3401	TGAAATGAAT	TCTGCTCATC	CTCTGGGTGC	TGTGTGCAGA	ATGGAGGGTG
3451	GGGGGAGAGA	AGAGCAAAGG	CAAGAAGACC	CTTTAGGAAC	AATGATCATT
3501	AGTTAGAAGA	CTCTGGGTTT	CTCAGCACCT	GCAATTGCTG	ACTACACCCC
3551	CAGAGAAACC	CAGTCTCTTT	TCCCCCATGT	TGTAGAGAAT	TCTTACAATG
3601	CTTGGTAGAA	AGAGAATTGA	ACAGGTAGAT	GGGTGGATGG	ATACAAGCTG
3651	GACAGATGGA	TGGAGGAAGA	TCCTCCATCC	AATATAGAGC	TGTTACCTAA
3701	AACCCTCCAT	CCCACCTTTA	AAATCCTAGC	TCAGCCAGGC	GCGGTGGCTC
3751	ACACCTGTAA	TCCCAGCACT	TTGGGAGGCC	AAGGCGGGTG	GATCACTTGA
3801	GGTCGGGGGT	TCGAGACCAG	TCTGACCAAC	ATGGTGAAAC	CCCCTTCTCC
3851	ACTAAAAATA	CAAAAAAAAA	AAAAAGTTAG	CCAGGCAGGG	TGGCGCATGC
3901	CTGTAATCCC	GCTACTCGGG	AGGCTGAGGC	AGGAGAATGG	CTTGCACCCA
3951	GGAGGTGGAG	GTTGTGGTGA	GCCAAGATCA	CGCCATTACA	CTCCAGCCTG
4001	GGCAAAGAGA	GTGAAACTGT	CTCAAAAAAC	AAAACAAATG	ACCCCCCTGC
4051	CAAAAAAAAA	AAAAAAAAAA	AAGAAAAGAA	AAAAAGAAAA	GCCTAGCTCA
4101	GCTCACACTG	TCAGGAATAA	GTAAGCTAGC	TGGAATCATC	TCTTTCTTAA
Exon C3					
4151	AACCCTGCCT	TGATAGTGGA	TTTTTACATA	CTTTTTTTTT	AATTCTAGAA
4201	<u>ATGGAGTCAT</u>	<u>CAGTTTATCA</u>	<u>ACCAACAAGC</u>	<u>AGCTCCAGCA</u>	<u>CCCAGCACTT</u>
4251	<u>CTACCTGAAT</u>	<u>TTCACCATCA</u>	<u>CCAACCTACC</u>	<u>ATATTCCCAG</u>	<u>GACAAAGCCC</u>
4301	<u>AGCCAGGCAC</u>	<u>CACCAATTAC</u>	<u>CAGAGGAACA</u>	<u>AAAGGAATAT</u>	<u>TGAGGATGCG</u>
4351	GTGAGAAGGG	GGTGGTATGT	CCACTCTGTT	GCCATGCAGA	AACTGACTTA
4401	TGCATACTGG	GTAGCCACAG	GGTGACTTTT	TATAACAATC	CACAAAGACA

Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
4451	GGTTCTTATT	CCCATTTAAT	ACACAAGCAC	AGAGAGGTTC	AGTAGCTGAC
4501	CCAAGGTCAC	ACAGCTAAGT	CATACCCTAG	AAGAGCATGT	CCTTTGATAT
4551	ACATACCTGG	GCAAGTGGTT	GTCATGACAA	GAAGCAAAAT	AGACGGAGAA
4601	GTGTGCTCAG	TGGCTGAAAA	TTCTCTGATG	CTACTGGGGC	CAGGATTCTG
Exon C4					
4651	ACCTAAGAAA	CATCGCCCTG	TCTTTCAGCT	<u>CAACCAACTC</u>	<u>TTCCGAAACA</u>
4701	<u>GCAGCATCAA</u>	<u>GAGTTATTTT</u>	<u>TCTGACTGTC</u>	<u>AAGTTTCAAC</u>	<u>ATTGAGGTAA</u>
4751	GTTCTAACTC	AGGACCTAAT	GACTCTAGGA	ACTTCTGCTG	TCCTTTAAAT
4801	AGAAGTGTCC	CCAAGCCATA	GCTTTGATGG	AAGAGAGCCC	TAGAAATAGA
4851	GAGCTGTTAA	CTAAAACTA	GCTTTTTTCCT	AAAGCTGGAG	CCCAACTGGC
4901	TTCAACACTC	AAGAGAGCTG	GTGTAAATCT	CAGCAGACAT	AAAGGTACCT
4951	GGTGCTGAGG	CCATGGAGTC	TAGAGTGTAG	AATCTACTAC	ATTAAGACAT
5001	CAGCTACTGA	AATCAGGACC	CATGGAAGAC	GGGGGAAGGA	GGGGACTAAA
5051	ACCAGATTAC	TTAGAATCTA	GCAGCCTAAC	TGTGCTTTTC	AATGAGAGGT
5101	ATCATTTCCA	ATGGTGGGGG	GTACCAATGA	TTTTTTTTTT	TTGACAACTG
5151	CCTTGAGAAC	AGGCTTTCCT	CACTAAACAA	ATTCTGAATC	AGAACAAATA
5201	AAGATAAGCC	CTGAGAATAG	GGCTTTTTC	AGGAGCTGCC	AAACAGATCA
5251	AATAGTGA	CTGTTCTGCA	GATTGATGTC	TGGAGAACTC	TACAGCTATT
5301	TTGACTGCTA	GGCAGCTGGT	TTTCACAGAT	ATCATGATTC	TGAGGCTGCC
5351	AGTTTTCAAA	GTTACCGAGG	ATCTTGCTGG	ATGCAGTGGC	TTGCGACTGT
5401	AATCCCAGCC	CTTTGGGAGG	CCAAGGTGGG	TAGATCGCTT	GAGCTCAGGA
5451	GTTTGAGACC	AGCCTGGGCA	ATATGGTGAA	AACCCATCTC	TACAAAAAAT
5501	ACAAAAATCA	GCTGAGCATA	GTGGCATGTG	CTGTAGTCCC	AGTTACTTAG

Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
5551	GAGGCTGAGG	TGGGAGGATG	GCTTGAGCCC	AGGAGGCAGA	GGTTGCAGTG
5601	AGCTGACATT	GTGCCATGCA	CTCTAGCCTG	GGCAACAGAG	CCAAAGCCTG
5651	TCTCAAAAAA	AAAAAAACAA	ATAATAATAA	TAATAAAATA	CTGAGGATCT
5701	TGAAAGAGCA	CTGTGGAAAT	AATGCAAGTT	AAAATGCCAC	AAAGCTTGCT
5751	CTTTTTACTG	AGATTTAACA	CTTTCCTTAA	CTAAACACCC	CTCGAATTTT
5801	TGCAAGCCTT	TGGTTCACTT	CTAGACTTCT	GGAAAAATTG	ATTTGGACTA
5851	TTTTGGCCAA	TGTTCTCATT	GATTTTATGG	GTATTCAGAA	GTTGTTACCC
5901	CAACATTCCA	GAAATGTTCT	CCCTGTGGCT	ATTACTTTAT	TTATTTATTT
5951	ATTTATTTAT	TTATTTATTT	ATTTGAGACG	GAGTCTCCCT	CTGTTGCCCA
6001	GGCTGGAGTG	CAGTGGCGCA	ATCTCAGCTC	ACTGCAACCT	CCGCTTCCCA
6051	GGTTCAAGCG	ATTCTCCTGC	CTCAGCCTCC	CAAGTAGCTG	GGATTATGGA
6101	TGTGCACCAC	CACACCGGCT	AATTTTTGTG	TTTTTAGTAG	AGATGGGGTT
6151	TCACTGTGTT	GGCCAGGCTG	GTCTCGAACT	CCTGATCTCA	AGTGATCCAC
6201	CCGCCTTGGC	CTCCCAAAGT	GCTGGGATAA	CAGGCATGAG	CCACTGTGCC
6251	TGACCTCCCT	GTGGCTATTT	TTAAATGAAT	TAAGTGAAT	AAAATTAGAA
6301	ATTCAGTTCT	TCTCCCACGC	TAGCTGCATT	TTAAGCATTT	AATAACAACA
6351	TGAAGCTACT	AATGGCTGCA	TTGTGTAGTG	CAGATGTAGA	ATTTTTTTTT
6401	TGTTTTTTGT	TTTGTTTTTG	AGATGGAGTC	TCGCTCTGTC	ACCAGGCTAG
6451	AGTGCAGTGG	CGTGATCTCG	TCTCACTGCA	ATCTCTACTC	CCCGATTCAA
6501	GTGATTCTCC	TGCCTCAGCC	TCCCAAGTAG	CTGGGATTAC	AGGCACGTGC
6551	CACCACACCC	AGCTAATATT	TGTATGGATG	GTCTCAATCT	CCTGACCTCG
6601	TGATTTGTAT	GGATGGTCTC	GATCTGACCT	CATGATCCGC	CTGCCTGGGC
6651	CTCCCAAAGT	GCTGGGATTA	CAGGCGTGAG	CCACTGTGCC	CGGCCGACAT
6701	AGAATGTTTA	CATCATTGCA	GAAAGTTTCT	GCAGGAAGAG	CCTAGAAGGA

Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
6751	GAAAGCCTAG	AATCATGATA	AAATTGCAGA	TATCTTTGCT	TATCCCTGTC
Exon C5					
6801	CCCTTCCAGG	<u>TCTGTCCCCA</u>	ACAGGCACCA	CACCGGGGTG	GACTCCCTGT
6851	<u>GTAAGTTCTC</u>	GCCACTGGCT	CGGAGAGTAG	ACAGAGTTGC	CATCTATGAG
6901	<u>GAATTTCTGC</u>	GGATGACCCG	GAATGGTACC	CAGCTGCAGA	ACTTCACCCT
6951	<u>GGACAGGAGC</u>	AGTGTCCCTG	TGGATGGTAA	AGCTCCCTGG	GTCATTGGGA
7001	CTGAGGTGGA	AGCTCCCACT	TCCTCACCTG	GGTCCTTCCC	TGGGAATCTG
7051	AAGGCTTGGG	GTTGATTCGT	CATCGAGCTT	TCTCAGACTG	GGAGAAAGTG
7101	GCTTAGTTCT	CCTAAGCTTT	ACCCATCATT	GAAGGAAAGA	AAAGGACGCC
7151	CGAGGGATAT	GGGAGGCATT	TGCCCTCTTC	TGGCCAGCTC	TGTGACCTCA
7201	GGCTAGTCAC	ATCTCCTTTC	TGGACTTCTT	ATCTCTCTGT	ACTTAGCAAG
7251	CCACTTGGTT	TTTGGTTCCC	ATCTTGCTTG	CCCTAGATGG	TATTGCTCCT
7301	CCACCCCCAG	GCAGCTGCAG	TGTTAAACAA	TTACCCTGAT	TAGTTATTGT
7351	TGTTGTGTTG	TTTGTGTTGTT	TTTGAGACAG	GGTCTCACTC	TGTCACCTAG
7401	GCTGGAGTGC	AGTGACATGA	TCTCAGCTCA	CTGCAACCTC	AACCCCTGGA
7451	CTCAAGCAAT	CCACCCACTT	CAGCCTCCCA	AGTAACTGGG	ACTACAGCCA
7501	TGCGCCACCA	CACCCGGATA	ATTTTTGTAT	TTTTTCTAGA	GATGGGGTTT
7551	TGCAACATTG	CCCAGGCTGG	TCTTGAAGTC	CTGAGCTCAA	GCATGCCACC
7601	TGCTTCAGCC	TCCCAAAGTG	CTGGGATTAC	AGGCAGGCAG	GCACCACTGC
7651	AGCTGGTTCT	GGTTTTTTGT	GTTTGTTTTT	TTCTTTTAGA	GGCAGGGTCT
7701	CGCTCTGTTA	ACCAGAATGG	AGTACAGTGG	TGCAATCATA	GCTCACTGCA
7751	GTCTTGAACT	CCTGGGCTCA	AGCGATCCTC	CCACCTCAGC	CTCCTGAGTA
7801	CCTGGAACTA	CAGGCACGTG	TCACCACGCC	TTGCTAATTT	CTAAATTTTT
7851	TGTAGAGACA	GGGTCTCACT	ATGTTGCCCA	GACTGGTCTC	TAATTCCTGG

Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
7901	CCACAAGTGA	TCCTCCTGCC	TCAGCAGGTC	AATGAGGGCT	TCCAGTTTCA
7951	AGTTGTATGT	GATTCATCCT	CAACAAATGT	GGTAGGATGG	ACCTATTTTC
8001	CAACTCCAGA	GATGGCTTCA	AGGTGGCTCA	ACTTTGCATA	TCCAATTTTA
8051	CCCATTCAAA	GAATAGTTAT	ATACATTGTA	CCATGTATCA	GGAATATAAC
8101	AGAGAGTAAC	TGTTTGCTCT	TTCACCACTA	TATTCCAAGA	ACCCCATATT
8151	CTGCCTGGCA	CATAATAAAC	ACTCAAGTCA	TATTTGCAGA	AGGAATAACT
8201	AGATTTTCATA	CAAGGTTCCT	TTCAAGTCAA	ATGCGAATAA	CGTTTTAGAC
8251	GGGACCTTCC	AATGCCTGTG	TGCACTGTCC	TTGATTCCGA	ATTATTGTTG
8301	TGCAAGAGAG	CACTGTTGAT	CCTTCAGAAT	CAACAAGCCT	TTCACATGCC
8351	TGTCACAGGT	TTTTCTTTTT	CTTGTTTTAC	CAATTTTGTT	TGTTGTTTGT
8401	TTGTTGTTAT	TGTTTTGTTT	TGTTTTTGTT	TTTTATTGT	TTTTATTTTT
8451	TCTTTTTTTT	TGAGACAGAG	TCTCGCTCTG	TCACCCAGGC	TGGAGTGCAG
8501	TGGCACGATC	TCCGCCCACT	GCAAGCTCCG	CCTCCTGGGT	TCATGCCATT
8551	TTCCTGCCTC	AGCCTCCTGA	GTAGCTGGGA	CTACAGGCGC	CTGCCACCAT
8601	GTCTGGCTAA	TTTTTTTTGT	ATTTTATAGTA	GAAACAGGGT	TTCACCATGT
8651	TGACCAGGAT	GGTCTCGATC	TCCTGACCTC	GTGATCTGCC	CACCTGGGCC
8701	TCCCAAAGTG	CTGGGATTAC	AGGCGTGAGC	CACCACACCC	AGCCCCAATT
8751	TTTTTTTTTAA	TTAAAATTGT	TGTCAGCTCA	CAAGCTTTCT	AAAAACAGGC
8801	CATGGACCCA	GCATCGCTGT	AGTTTGCCAA	ACCCTTGCCT	TGAATCAGTA
8851	CCATCCAATA	GAACCTTCTG	CAGTGATAGA	AAATGTTTCT	ATCTGTGCTA
8901	TTCAGCACAA	AGCCATGTGT	GATTACTAAG	CTTGAAGTGT	GGTTAATGTA
8951	ACTGAGATAC	CGAAGTTTTA	ATTTTATTTA	ATTTTAATTT	AAAAAGCCAC
9001	TTGTGGCTGC	TCCATATTGC	ACACTACTTT	TTAAAATTAT	TATTTGTATA
9051	TATTTAAGGG	GCACAAGTAC	AATTTTGTTG	CATGGATTTA	TAGCCCAGTG

Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
9101	GGGAAGTCTG	GGCTTTTAGG	GTATCTATTA	CCTGAATAAT	GTACATTGTA
9151	CCCATTGAGT	AATTTCTCAT	CATCCACTCT	CCTCCACTCC	CCAACCCTTC
9201	CAAGTTTCCA	CTGTCTATTA	TTCCACTCTC	TATGTCCATG	CCTATGCATT
9251	ATTTAGCATT	GACATGTCTA	TGCATTATTT	AGTCAAATAC	ATGTGCTATT
9301	TGACTTCCTG	TATCTGAGTT	GTTTGACTTA	AGATAATGAC	CTTCACTTGC
9351	ATCCATGTTG	CTGCAAAAGA	CATGATTTCA	TTCTTTTTTA	TGCCTGGGTG
9401	GTATTGCATT	GTGTGTGTGT	GTGTGTGTGT	GTGTGTAGAG	AGAGAGAGAG
9451	ATCACATTTT	CTTTATACAG	TCCTCCATTG	ATGGGCACTT	AGGTTGATTC
9501	CATATCTTTG	CTATTGTGAA	TAGTTTGTG	ATAAACACAC	AGG TTCAGGT
9551	GTCTTTTTGA	CAAAATTATT	TATTTTCCTT	TGTGTAGATA	CCCAGTCGTG
9601	GGATTCCTGG	ATCAAATGGT	AGTTTCATTT	TTAGTTATTT	GAGAAATCTC
9651	CACGTTTTTC	ATAGAGATTA	TACTAAATTA	CATTCCCACC	AACAGTGTGT
9701	AACGGTTCAC	TTTTCTTGCA	TCCTTTTTAA	CATCTGTTAT	TTTTGTCTTT
9751	TTAGTAACAG	CCATTCTGAC	TGGCGTAAGG	TGGTATCTCA	TCATGGTTTT
9801	AATCTGTATT	TCTCTGATTA	TTAGTAATGT	CGAGCATTTT	TTCATATGCT
9851	TGTTAGCCAT	TGGTATGTCT	TCTACATCTT	TAAGAAGCTG	GCTATGGGCT
9901	GGGCGCAGTG	GCTCACACCT	GTAATCCCAG	CACTTTGGGA	GGCCGAGGCA
9951	GGCGGATCAC	GAGGTCAGGA	GTTAAAAACC	AGCCTGGCCA	ACATGGTAAA
10001	ACCCTGCCTC	TACTAAAAAT	ACAAAAAATT	ACCCAGGCAT	GGTGGTGCGC
10051	CTGTAATCCC	AGCTACTCAG	GAAGCTGAGG	CAGGAGAATC	ACTTGAACCC
10101	AGGAGGCGGA	GGTTGCAGTG	AGACGAGATC	ACATCATTGC	ACTCCAGCCT
10151	GGGTGACAGA	GTGAGACTCT	ATCTTGAGAA	AAAAAAAAAG	TTGGCTATAA
10201	CAGGGTTGTA	GAAGTAGAGG	AACCAGTAAC	CCTTCTCGCC	ATGCCTGATG
10251	ATGGCTTTAC	ATCCCTGTCT	TCATGGAGTT	TATGCTGTCTG	TGAGGAATAA

Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
10301	CAAGAACAGG	CAGTTGTCAA	TTATAAATTA	TTTGATGTGA	ACCTATTCAT
10351	ACATGGGTGT	GGTCATCAGG	GAAGGCTTCC	TGGAGGAAAT	GACATTGAAG
10401	GTGAATTCTA	AAAGATGACG	ATAAACCACC	AAGTGAAGGA	GAGCTTAAAT
10451	GTGTTTTTAG	GCAGAAGAAA	AACCTTTTGG	GTGAAAATTT	TAAAACTTAG
10501	AGAGGTCCCA	TCAGTTTCCA	ACTGCGATGA	TCCATTCTCT	CCACCACTGC
10551	CCTTGGGCCC	AGCCCAATTT	AGGTCCACCA	TGCCCAGAGG	CATGAATTTA
10601	ACTTATGACA	CTCTTGTTGG	GGAATAATGG	CTTTGGGCTT	ATGTAGCCAT
10651	GTGTCATTTT	TTTAGAGATA	CAAATTGAAA	TATTTGGGGT	GAGATGTCAT
10701	GGTGTCTACT	GGCCTCTAAA	ACTTCAGTGA	AAACATTTAC	TTTCACTGAA
10751	ATGTCAATAA	ATCATAAATT	GGATGTATAT	GTTTTAGTTG	GAGGAAATAT
10801	AAACCACTAA	ATCTAGGTGA	TGCATATTTA	TTATACTCTT	CTCTCTGCTT
10851	TTTTGTACGC	TTGTAAAATT	GTATTTAAAA	GAATAAGACA	CACTTGGCCG
10901	GGCGCGGTGG	CTCACGCCTG	TAATCCCAGC	ACTTTGGGAG	ACCGAGGTGG
10951	GTGGATCATG	AGGTCAGGAG	TTCAAGACCA	GCCTGGCCAA	CATGGTAAAA
11001	CTCCATCACT	ACATACAAAA	ATTAGCCAGG	CATTTTGGCG	GGCACCTGTA
11051	ATCTCAGCTA	CTTGGGAGGC	TGAAGCAGGA	GAATTGCTTG	AACCCGGGAA
11101	GCAGAGGTTG	CAGTGAGCCA	AGATCACGCC	ACTGCACTCT	AGCCTGGGCA
11151	ACAGAGCAAG	ACTCCATCTC	CAGAAAAAAA	AAAAAAAAAA	GACACACTCA
Exon C6					
11201	CATGCACCCT	CCATTTCTTT	CATTTCTAGG	<u>GTATTCTCCC</u>	<u>AACAGAAATG</u>
11251	<u>AGCCCTTAAC</u>	<u>TGGGAATTCT</u>	GGTAAGTCTC	AAAGAAGCCC	CAGCCCAGGG
11301	TAGGGAGGGG	GTAGCCTGAT	GGTGCTTTGC	CTTGTCCTAAG	AGCACCAGGC
11351	ACACAGAGTC	TTGGATGAGG	ATCAAAATTG	CCAACCCATG	GCAAAGACTA
11401	TTGAGGCATA	GTAAAGGGAT	AGCAGGGATC	CTGGCTTTCT	GGGGGCCAG

Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
11451	TTTTTGGGGG	CATCAGAGGC	ATGAGGTGTT	GAGCCACTAA	GCTCTCTTCC
11501	CCAGGGGCTG	TGCCCATCCT	CAGGCCACAT	AGGGTCCAAG	AAGGAGCCCT
Exon C7					
11551	GGGACGTGGC	AGGAGGTGGC	TCACCCCAGC	CCTTGTCTCC	CCAGACCTTC
11601	CCTTCTGGGC	TGTCATCCTC	ATCGGCTTGG	CAGGACTCCT	GGGAGTCATC
11651	ACATGCCTGA	TCTGCGGTGT	CCTGGTGAGC	AAGGAAGGGT	TGCTTGTCTT
11701	CTTAACAATT	GGGTTGTAAG	AGTTCTTAAT	ATATTATAAA	ACCATACTAT
11751	ACTATACACA	AGTCCTTTGC	TGGATATATG	TTTTGCAAAT	ATTTTCTCCC
11801	AGTTCACGGA	GTGGCTTTCC	TATTTTCTTT	TTATAATTTT	ATTTTTAATT
11851	AATTGACAAA	TAATGAATGC	ATATATTTAG	GGGATACAAT	GTGATGCTTT
11901	GGTATATGTA	CAATTATGGA	ATGACTCAAT	CAAGCTAATT	AATATGTCCC
11951	TCACCTCTCA	TACTTATTAT	TTCTTTGTGG	TGTGAACATT	GGCAACCTAT
12001	ACTCTTAGCA	ATTTTGAAAT	CTACATTATT	ATTAACTATA	GTTACTATGT
12051	TATGCAGATC	TCAAAAACCT	CACAACCTAT	ATGCTGATTA	CAAGATATTG
12101	AGAGAAAAAG	TGATTGCAAA	GAGTGTAAT	AAAATAATGT	AAGAGGGAAA
12151	AATGTAACAA	AATTAGTCGT	TAGGGAAATG	TACACGGAAG	TCACAATGAG
12201	AGGCCACTTT	TCACAAGAAT	GGATAAAATT	GAAAAGATTG	ACTATAACAA
12251	GTGTTGGTGA	AAATGTGACA	GAAGTGAAC	TCTCATAAAG	TGAAAGTGGA
12301	AAATAGCTTG	GCCATTTCTT	TGAAAATTAC	ACACACCTAC	CGTAAGACCT
12351	ACCATCCAC	TACTAGTAAT	TTATCTAAGA	GAAATAAAAA	CATATGTCTA
12401	TATGAAGACT	TGTACACAAG	TAAATGTTCA	TAACAGCTTT	GTTTGTAATA

Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
12451	GCCAAACTCT	GAAAACAAGC	CCCTAATGTC	CATTAACAAA	TATATCCTGA
12501	CAATGGAATA	TTATTCAGCA	ACAAAAAGGA	ATTATTAATA	CATTAATAAA
12551	TTATACAGCA	ACATGTATAA	ATTGCAAAAT	AGTTATGCCT	AGTGAAAGAA
12601	TCCAGATGAA	GAAAAGAGTA	CATGCCATAT	GATTCCCTTA	ATAGACAAAT
12651	TCTAGAAAAT	ACAAACTAAT	CTGTAAGGAC	AGGAATCAGA	TCAGCGGTTG
12701	CCTGGGAATG	AAAATGTGTT	TGCAGTGGCA	GGGAAAAAGG	AATTGTAAAA
12751	GAGCAGGAAG	AAAGTTTTTT	TGTTGTTTTT	TTTTTGTTTT	TTCTTGAGAC
12801	AGAGTCTTAG	TCTATCGCCC	AAGCTGGAGT	GCAATGGCAC	GATCTCAGCT
12851	CATTGCAACC	TCTGCCTCTC	GGGTTC AAGC	GTTTTTCCTG	CCCCAGCCTC
12901	CCAAGTAGCT	GGGATTACAC	ATGCGCACCA	CCACACTCAG	CTAATTTTTG
12951	TATTTTTAGT	AGAGACGGGG	TTTTACCATG	TTGGCCAGGC	TGGTCTCGAA
13001	CTCCTGACCT	CAGGTGATCC	ACCCGCCTTG	GCCTCCCAA	GTGCTGGGAT
13051	TACAGGAGTG	AGCCACCATG	CCTGGCCAGG	ACGAAAGTTT	TGGGGATGAT
13101	GGATGGATGT	TCCTTATGTT	GATTGTGGTG	ACGATTCAAT	AAGTTATGAT
13151	CAGAACTTAT	CAAAACATTC	ACTTTAAATG	TGTGCAGTTT	ATTTTATGTC
13201	AGTTATGCCT	CAGTTAAGCT	GGACAGATGT	AGAGGAGGAA	GGGAGGGAGA
13251	GAGGGGGCTG	AGATCAGGAC	CAAAAGCCAG	AGAGAAAGAG	ACTGAGAATG
13301	AGATGAGAGA	GAAATGGTAT	TTAGACAGAA	GACAGGCGAT	AGATGATTGA
13351	TAGTTGACAG	ATGATTGGTG	GATANNNNNN	NNNNNNNNNN	NNNNNNNNNN
13401	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN

Table 3 (continued)

Genomic Carboxy Terminal (SEQ ID NO: 3)					
13451	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN	NNNNNNNNNN
13501	AGGAGGTTTA	AACAAAACGC	AATTATGTTG	AAATGACAAT	GATTGTGGAT
13551	ATAAAGGTAG	ATAGAAATAG	ATATTTGTGA	AGATAATGGT	TAGATAAAAA
13601	TGATAGGTAA	CAGATATTGA	TAGATCTTGA	TAAGTAGATG	ATAAATACAT
13651	GATTGATGGA	TGACAGGTGA	TTGATAGATG	ATTTGATGGA	TTATAAATAG
13701	GAGATGATTG	AGAGGTGAGA	GATAATTGAT	GGTTATTTGA	TTGGTAGATA
13751	ATTGATTGAC	AGGTTGATAA	ATATTGATAG	CTAGATGATA	GATAAATAGA
13801	TCATTGGTAG	ATATGTGATA	TATTGATAAA	GAAATTCAGA	GGCAAAAGGA
13851	GAGAGAAATG	AAGGGGATAT	CGGAGGGGGA	AAAATTTTTT	TAAACCGAGA
13901	GTGAAACAAG	GAGACAGAAG	AAAAGAAAGT	GGTGAAAAGA	GGAAAAGAAC
13951	TGAGGGAGAA	ATTAAATGAA	ACAATGAAGG	GAGACAGAGG	AAGCATAAGG

Exon C8

14001	CCTCTGGCTT	TGGCCATATT	CTCACCCTG	TGGTCTCCTC	TCCCTGGACG
14051	GCTGACCAGT	CCATTCTCAC	GCCTCCTCCT	CACCCTCATA	GGTGACCACC
14101	<u>CGCCGGCGGA</u>	<u>AGAAGGAAGG</u>	<u>AGAATACAAC</u>	<u>GTCCAGCAAC</u>	<u>AGTGCCCAGG</u>
14151	<u>CTACTACCAG</u>	<u>TCACACCTAG</u>	<u>ACCTGGAGGA</u>	<u>TCTGCAATGA</u>	CTGGAACCTG
14201	CCGGTGCCTG	GGGTGCCTTT	CCCCCAGCCA	GGGTCCAAAG	AAGCTTGGCT
14251	GGGGCAGAAA	TAAACCATAT	TGGTCGG		

Table 4

Human cDNA of CA125
(SEQ ID NO: 4)

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1  AAGCGTTGCA CAATTCCCCC AACCTCCATA CATACGGCAG CTCTTCTAGA
51  CACAGGTTTT CCCAGGTCAA ATGCGGGGAC CCCAGCCATA TCTCCCACCC
101 TGAGAAATTT TGGAGTTTCA GGGAGCTCAG AAGCTCTGCA GAGGCCACCC
151 TCTCTGAGGG GATTCTTCTT AGACCTCCAT CCAGAGGCAA ATGTTGACCT
201 GTCCATGCTG AAACCCTCAG GCCTTCCTGG GTCATCTTCT CCCACCCGCT
251 CCTTGATGAC AGGGAGCAGG AGCACTAAAG CCACACCAGA AATGGATTCA
301 GGACTGACAG GAGCCACCTT GTCACCTAAG ACATCTACAG GTGCAATCGT
351 GGTGACAGAA CATACTCTGC CCTTTACTTC CCCAGATAAG ACCTTGGCCA
401 GTCCTACATC TTCGGTTGTG GGAAGAACCA CCCAGTCTTT GGGGGTGATG
451 TCCTCTGCTC TCCCTGAGTC AACCTCTAGA GGAATGACAC ACTCCGAGCA
501 AAGAACCAGC CCATCGCTGA GTCCCCAGGT CAATGGAACT CCCTCTAGGA
551 ACTACCCTGC TACAAGCATG GTTTCAGGAT TGAGTTCCCC AAGGACCAGG
601 ACCAGTTCCA CAGAAGGAAA TTTTACCAA GAAGCATCTA CATAACACT
651 CACTGTAGAG ACCACAAGTG GCCCAGTCAC TGAGAAGTAC ACAGTCCCCA
701 CTGAGACCTC AACAACTGAA GGTGACAGCA CAGAGACCCC CTGGGACACA
751 AGATATATTC CTGTAAAAAT CACATCTCCA ATGAAAACAT TTGCAGATTC
801 AACTGCATCC AAGGAAAATG CCCCAGTGTC TATGACTCCA GCTGAGACCA
851 CAGTTACTGA CTCACATACT CCAGGAAGGA CAAACCCATC ATTTGGGACA
901 CTTTATTCTT CCTTCCTTGA CCTATCACCT AAAGGGACCC CAAATTCCAG
951 AGGTGAAACA AGCCTGGAAC TGATTCTATC AACCCTGGA TATCCCTTCT
1001 CCTCTCCTGA ACCTGGCTCT GCAGGACACA GCAGAATAAG TACCAGTGCG
1051 CCTTTGTCAT CATCTGCTTC AGTTCTCGAT AATAAAATAT CAGAGACCAG
1101 CATATTCTCA GGCCAGAGTC TCACCTCCCC TCTGTCTCCT GGGGTGCCCCG
1151 AGGCCAGAGC CAGCACAATG CCCAACTCAG CTATCCCTTT TTCCATGACA
1201 CTAAGCAATG CAGAAACAAG TGCCGAAAGG GTCAGAAGCA CAATTTCCTC

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Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
1251	TCTGGGGACT	CCATCAATAT	CCACAAAGCA	GACAGCAGAG	ACTATCCTTA
1301	CCTTCCATGC	CTTCGCTGAG	ACCATGGATA	TACCCAGCAC	CCACATAGCC
1351	AAGACTTTGG	CTTCAGAATG	GTTGGGAAGT	CCAGGTACCC	TTGGTGGCAC
1401	CAGCACTTCA	GCGCTGACAA	CCACATCTCC	ATCTACCACT	TTAGTCTCAG
1451	AGGAGACCAA	CACCCATCAC	TCCACGAGTG	GAAAGGAAAC	AGAAGGAACT
1501	TTGAATACAT	CTATGACTCC	ACTTGAGACC	TCTGCTCCTG	GAGAAGAGTC
1551	CGAAATGACT	GCCACCTTGG	TCCCCACTCT	AGGTTTACAC	ACTCTTGACA
1601	GCAAGATCAG	AAGTCCATCT	CAGGTCTCTT	CATCCCACCC	AACAAGAGAG
1651	CTCAGAACCA	CAGGCAGCAC	CTCTGGGAGG	CAGAGTTCCA	GCACAGCTGC
1701	CCACGGGAGC	TCTGACATCC	TGAGGGCAAC	CACTTCCAGC	ACCTCAAAAG
1751	CATCATCATG	GACCAAGTGA	AGCACAGCTC	AGCAATTTAG	TGAACCCAG
1801	CACACACAGT	GGGTGGAGAC	AAGTCCTAGC	ATGAAAACAG	AGAGACCCCC
1851	AGCATCAACC	AGTGTGGCAG	CCCCTATCAC	CACTTCTGTT	CCCTCAGTGG
1901	TCTCTGGCTT	CACCACCCTG	AAGACCAGCT	CCACAAAAGG	GATTTGGCTT
1951	GAAGAAACAT	CTGCAGACAC	ACTCATCGGA	GAATCCACAG	CTGGCCCAAC
2001	CACCCATCAG	TTTGCTGTTC	CCACTGGGAT	TTCAATGACA	GGAGGCAGCA
2051	GCACCAGGGG	AAGCCAGGGC	ACAACCCACC	TACTCACCAG	AGCCACAGCA
2101	TCATCTGAGA	CATCCGCAGA	TTTGACTCTG	GCCACGAACG	GTGTCCCAGT
2151	CTCCGTGTCT	CCAGCAGTGA	GCAAGACGGC	TGCTGGCTCA	AGTCCTCCAG
2201	GAGGGACAAA	GCCATCATAT	ACAATGGTTT	CTTCTGTCAT	CCCTGAGACA
2251	TCATCTCTAC	AGTCCTCAGC	TTTCAGGGAA	GGAACCAGCC	TGGGACTGAC
2301	TCCATTAAAC	ACTAGACATC	CCTTCTCTTC	CCCTGAACCA	GACTCTGCAG
2351	GACACACCAA	GATAAGCACC	AGCATTCCTC	TGTTGTCATC	TGCTTCAGTT
2401	CTTGAGGATA	AAGTGTCAGC	GACCAGCACA	TTCTCACACC	ACAAAGCCAC
2451	CTCATCTATT	ACCACAGGGA	CTCCTGAAAT	CTCAACAAAG	ACAAAGCCCA

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
2501	GCTCAGCCGT	TCTTTCCTCC	ATGACCCTAA	GCAATGCAGC	AACAAGTCCT
2551	GAAAGAGTCA	GAAATGCAAC	TTCCCCTCTG	ACTCATCCAT	CTCCATCAGG
2601	GGAAGAGACA	GCAGGGAGTG	TCCTCACTCT	CAGCACCTCT	GCTGAGACTA
2651	CAGACTCACC	TAACATCCAC	CCAACTGGGA	CACTGACTTC	AGAATCGTCA
2701	GAGAGTCCTA	GCACTCTCAG	CCTCCCAAGT	GTCTCTGGAG	TCAAAACCAC
2751	ATTTTCTTCA	TCTACTCCTT	CCACTCATCT	ATTTACTAGT	GGAGAAGAAA
2801	CAGAGGAAAC	TTCGAATCCA	TCTGTGTCTC	AACCTGAGAC	TTCTGTTTCC
2851	AGAGTAAGGA	CCACCTTGGC	CAGCACCTCT	GTCCCTACCC	CAGTATTCCC
2901	CACCATGGAC	ACCTGGCCTA	CACGTTCAGC	TCAGTTCTCT	TCATCCCACC
2951	TAGTGAGTGA	GCTCAGAGCT	ACGAGCAGTA	CCTCAGTTAC	AAACTCAACT
3001	GGTTCAGCTC	TTCCTAAAAT	ATCTCACCTC	ACTGGGACGG	CAACAATGTC
3051	ACAGACCAAT	AGAGACACGT	TTAATGACTC	TGCTGCACCC	CAAAGCACAA
3101	CTTGCCAGAG	GACTAGTCCC	AGATTCAAGA	CAGGGTTACC	TTCAGCAACA
3151	ACCACTGTTT	CAACCTCTGC	CACTTCTCTC	TCTGCTACTG	TAATGGTCTC
3201	TAAATTCACT	TCTCCAGCAA	CTAGTTCCAT	GGAAGCAACT	TCTATCAGGG
3251	AACCATCAAC	AACCATCCTC	ACAACAGAGA	CCACGAATGG	CCCAGGCTCT
3301	ATGGCTGTGG	CTTCTACCAA	CATCCCAATT	GGAAAGGGCT	ACATTACTGA
3351	AGGAAGATTG	GACACAAGCC	ATCTGCCCAT	TGGAACCACA	GCTTCCTCTG
3401	AGACATCTAT	GGATTTTACC	ATGGCCAAAG	AAAGTGTCTC	AATGTCAGTA
3451	TCTCCATCTC	AGTCCATGGA	TGCTGCTGGC	TCAAGCACTC	CAGGAAGGAC
3501	AAGCCAATTC	GTTGACACAT	TTTCTGATGA	TGTCTATCAT	TTAACATCCA
3551	GAGAAATTAC	AATACCTAGA	GATGGAACAA	GCTCAGCTCT	GA CTCCACAA
3601	ATGACTGCAA	CTCACCTTCC	ATCTCCTGAT	CCTGGCTCTG	CTAGAAGCAC
3651	CTGGCTTGGC	ATCTTGTCCT	CATCTCCTTC	TTCTCCTACT	CCCAAAGTCA
3701	CAATGAGCTC	CACATTTTCA	ACTCAGAGAG	TCACCACAAG	CATGATAATG

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
3751	GACACAGTTG	AAACTAGTCG	GTGGAACATG	CCCAACTTAC	CTTCCACGAC
3801	TTCCCTGACA	CCAAGTAATA	TTCCAACAAG	TGGTGCCATA	GGAAAAAGCA
3851	CCCTGGTTCC	CTTGGACACT	CCATCTCCAG	CCACATCATT	GGAGGCATCA
3901	GAAGGGGGAC	TTCCAACCCT	CAGCACCTAC	CCTGAATCAA	CAAACACACC
3951	CAGCATCCAC	CTCGGAGCAC	ACGCTAGTTC	AGAAAGTCCA	AGCACCATCA
4001	AACTTACCAT	GGCTTCAGTA	GTAAAACCTG	GCTCTTACAC	ACCTCTCACC
4051	TTCCCCTCAA	TAGAGACCCA	CATTCATGTA	TCAACAGCCA	GAATGGCTTA
4101	CTCTTCTGGG	TCTTCACCTG	AGATGACAGC	TCCTGGAGAG	ACTAACACTG
4151	GTAGTACCTG	GGACCCACAC	ACCTACATCA	CCACTACGGA	TCCTAAGGAT
4201	ACAAGTTCAG	CTCAGGTCTC	TACACCCAC	TCAGTGAGGA	CACTCAGAAC
4251	CACAGAAAAC	CATCCAAAGA	CAGAGTCCGC	CACCCAGCT	GCTTACTCTG
4301	GAAGTCCTAA	AATCTCAAGT	TCACCCAATC	TCACCAGTCC	GGCCACAAAA
4351	GCATGGACCA	TCACAGACAC	AACTGAACAC	TCCACTCAAT	TACATTACAC
4401	AAAATTGGCA	GAAAAATCAT	CTGGATTGTA	GACACAGTCA	GCTCCAGGAC
4451	CTGTCTCTGT	AGTAATCCCT	ACCTCCCCTA	CCATTGGAAG	CAGCACATTG
4501	GAACTAACTT	CTGATGTCCC	AGGGGAACCC	CTGGTCCTTG	CTCCCAGTGA
4551	GCAGACCACA	ATCACTCTCC	CCATGGCAAC	ATGGCTGAGT	ACCAGTTTGA
4601	CAGAGGAAAT	GGCTTCAACA	GACCTTGATA	TTTCAAGTCC	AAGTTCACCC
4651	ATGAGTACAT	TTGCTATTTT	TCCACCTATG	TCCACACCTT	CTCATGAACT
4701	TTCAAAGTCA	GAGGCAGATA	CCAGTGCCAT	TAGAAATACA	GATTCAACAA
4751	CGTTGGATCA	GCACCTAGGA	ATCAGGAGTT	TGGGCAGAAC	TGGGGACTTA
4801	ACAACTGTTC	CTATCACCCC	ACTGACAACC	ACGTGGACCA	GTGTGATTGA
4851	AACTCAACA	CAAGCACAGG	ACACCCTTTC	TGCAACGATG	AGTCCTACTC
4901	ACGTGACACA	GTCACTCAAA	GATCAAACAT	CTATACCAGC	CTCAGCATCC
4951	CCTTCCCATC	TACTGAAGT	CTACCCTGAG	CTCGGGACAC	AAGGGAGAAG

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
5001	CTCCTCTGAG	GCAACCACTT	TTTGAAACC	ATCTACAGAC	ACACTGTCCA
5051	GAGAGATTGA	GACTGGCCCA	ACAAACATTC	AATCCACTCC	ACCCATGGAC
5101	AACACAACAA	CAGGGAGCAG	TAGTAGTGGA	GTCACCCTGG	GCATAGCCCA
5151	CCTTCCCATA	GGAACATCCT	CCCCAGCTGA	GACATCCACA	AACATGGCAC
5201	TGGAAAGAAG	AAGTTCTACA	GCCACTGTCT	CTATGGCTGG	GACAATGGGA
5251	CTCCTTGTTA	CTAGTGCTCC	AGGAAGAAGC	ATCAGCCAGT	CATTAGGAAG
5301	AGTTTCCTCT	GTCCTTTCTG	AGTCAACTAC	TGAAGGAGTC	ACAGATTCTA
5351	GTAAGGGAAG	CAGCCCAAGG	CTGAACACAC	AGGGAAATAC	AGCTCTCTCC
5401	TCCTCTCTTG	AACCCAGCTA	TGCTGAAGGA	AGCCAGATGA	GCACAAGCAT
5451	CCCTCTAACC	TCATCTCCTA	CAACTCCTGA	TGTGGAATTC	ATAGGGGGCA
5501	GCACATTTTG	GACCAAGGAG	GTCACCACAG	TTATGACCTC	AGACATCTCC
5551	AAGTCTTCAG	CAAGGACAGA	GTCCAGCTCA	GCTACCCTTA	TGTCCACAGC
5601	TTTGGAAGC	ACTGAAAATA	CAGGAAAAGA	AAAACTCAGA	ACTGCCTCTA
5651	TGGATCTTCC	ATCTCCAACT	CCATCAATGG	AGGTGACACC	ATGGATTTCT
5701	CTCACTCTCA	GTAATGCCCC	CAATACCACA	GATTCATTG	ACCTCAGCCA
5751	TGGGGTGCAC	ACCAGCTCTG	CAGGGACTTT	GGCCACTGAC	AGGTCATTGA
5801	ATACTGGTGT	CACTAGAGCC	TCCAGATTGG	AAAACGGCTC	TGATACCTCT
5851	TCTAAGTCCC	TGTCTATGGG	AAACAGCACT	CACACTTCCA	TGACTGACAC
5901	AGAGAAGAGT	GAAGTGTCTT	CTTCAATCCA	TCCCCGACCT	GAGACCTCAG
5951	CTCCTGGAGC	AGAGACCACT	TTGACTTCCA	CTCCTGGAAA	CAGGGCCATA
6001	AGCTTAACAT	TGCCTTTTTT	ATCCATTCCA	GTGGAAGAAG	TCATTTCTAC
6051	AGGCATAACC	TCAGGACCAG	ACATCAACTC	AGCACCCATG	ACACATTCTC
6101	CCATCACCCC	ACCAACAATT	GTATGGACCA	GTACAGGCAC	AATTGAACAG
6151	TCCACTCAAC	CACTACATGC	AGTTTCTTCA	GAAAAAGTTT	CTGTGCAGAC
6201	ACAGTCAACT	CCATATGTCA	ACTCTGTGGC	AGTGTCTGCT	TCCCCTACCC

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
6251	ATGAGAATTC	AGTCTCTTCT	GGAAGCAGCA	CATCCTCTCC	ATATTCCTCA
6301	GCCTCACTTG	AATCCTTGGA	TTCCACAATC	AGTAGGAGGA	ATGCAATCAC
6351	TTCCTGGCTA	TGGGACCTCA	CTACATCTCT	CCCCACTACA	ACTTGGCCAA
6401	GTACTAGTTT	ATCTGAGGCA	CTGTCCTCAG	GCCATTCTGG	GGTTTCAAAC
6451	CCAAGTTCAA	CTACGACTGA	ATTTCCACTC	TTTTCAGCTG	CATCCACATC
6501	TGCTGCTAAG	CAAAGAAATC	CAGAAACAGA	GACCCATGGT	CCCCAGAATA
6551	CAGCCGCGAG	TACTTTGAAC	ACTGATGCAT	CCTCGGTCAC	AGGTCTTTCT
6601	GAGACTCCTG	TGGGGGCAAG	TATCAGCTCT	GAAGTCCCTC	TTCCAATGGC
6651	CATAACTTCT	AGATCAGATG	TTTCTGGCCT	TACATCTGAG	AGTACTGCTA
6701	ACCCGAGTTT	AGGCACAGCC	TCTTCAGCAG	GGACCAAATT	AACTAGGACA
6751	ATATCCCTGC	CCACTTCAGA	GTCTTTGGTT	TCCTTTAGAA	TGAACAAGGA
6801	TCCATGGACA	GTGTCAATCC	CTTTGGGGTC	CCATCCAACT	ACTAATACAG
6851	AAACAAGCAT	CCCAGTAAAC	AGCGCAGGTC	CACCTGGCTT	GTCCACAGTA
6901	GCATCAGATG	TAATTGACAC	ACCTTCAGAT	GGGGCTGAGA	GTATTCCCAC
6951	TGTCTCCTTT	TCCCCCTCCC	CTGATACTGA	AGTGACAACT	ATCTCACATT
7001	TCCCAGAAAA	GACAACTCAT	TCATTTAGAA	CCATTTCATC	TCTCACTCAT
7051	GAGTTGACTT	CAAGAGTGAC	ACCTATTCCT	GGGGATTGGA	TGAGTTCAGC
7101	TATGTCTACA	AAGCCCACAG	GAGCCAGTCC	CTCCATTACA	CTGGGAGAGA
7151	GAAGGACAAT	CACCTCTGCT	GCTCCAACCA	CTTCCCCCAT	AGTTCTCACT
7201	GCTAGTTTCA	CAGAGACCAG	CACAGTTTCA	CTGGATAATG	AAACTACAGT
7251	AAAAACCTCA	GATATCCTTG	ACGCACGGAA	AACAAATGAG	CTCCCCTCAG
7301	ATAGCAGTTC	TTCTTCTGAT	CTGATCAACA	CCTCCATAGC	TTCTTCAACT
7351	ATGGATGTCA	CTAAAACAGC	CTCCATCAGT	CCCACTAGCA	TCTCAGGAAT
7401	GACAGCAAGT	TCCTCCCCAT	CTCTCTTCTC	TTCAGATAGA	CCCCAGGTTC
7451	CCACATCTAC	AACAGAGACA	AATACAGCCA	CCTCTCCATC	TGTTTCCAGT

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
7501	AACACCTATT	CTCTTGATGG	GGGCTCCAAT	GTGGGTGGCA	CTCCATCCAC
7551	TTTACCACCC	TTTACAATCA	CCCACCTGT	CGAGACAAGC	TCGGCCCTAT
7601	TAGCCTGGTC	TAGACCAGTA	AGAACTTTCA	GCACCATGGT	CAGCACTGAC
7651	ACTGCCTCCG	GAGAAAATCC	TACCTCTAGC	AATTCTGTGG	TGACTTCTGT
7701	TCCAGCACCA	GGTACATGGG	CCAGTGTAGG	CAGTACTACT	GACTTACCTG
7751	CCATGGGCTT	TCTCAAGACA	AGTCCTGCAG	GAGAGGCACA	CTCACTTCTA
7801	GCATCAACTA	TTGAACCAGC	CACTGCCTTC	ACTCCCCATC	TCTCAGCAGC
7851	AGTGGTCACT	GGATCCAGTG	CTACATCAGA	AGCCAGTCTT	CTCACTACGA
7901	GTGAAAGCAA	AGCCATTCAT	TCTTCACCAC	AGACCCCAAC	TACACCCACC
7951	TCTGGAGCAA	ACTGGGAAAC	TTCAGCTACT	CCTGAGAGCC	TTTTGGTAGT
8001	CACTGAGACT	TCAGACACAA	CACTTACCTC	AAAGATTTTG	GTCACAGATA
8051	CCATCTTGTT	TTCAACTGTG	TCCACGCCAC	CTTCTAAATT	TCCAAGTACG
8101	GGGACTCTGT	CTGGAGCTTC	CTTCCCTACT	TTACTCCCGG	AACTCCAGC
8151	CATCCCTCTC	ACTGCCACTG	AGCCAACAAG	TTCATTAGCT	ACATCCTTTG
8201	ATTCCACCCC	ACTGGTGACT	ATAGCTTCGG	ATAGTCTTGG	CACAGTCCCA
8251	GAGACTACCC	TGACCATGTC	AGAGACCTCA	AATGGTGATG	CACTGGTTCT
8301	TAAGACAGTA	AGTAACCCAG	ATAGGAGCAT	CCCTGGAATC	ACTATCCAAG
8351	GAGTAACAGA	AAGTCCACTC	CATCCTTCTT	CCACTTCCCC	CTCTAAGATT
8401	GTTGCTCCAC	GGAATACAAC	CTATGAAGGT	TCGATCACAG	TGGCACTTTC
8451	TACTTTGCCT	GCGGGAAC TA	CTGGTTCCCT	TGTATTCACT	CAGAGTTCTG
8501	AAAAC TCAGA	GACAACGGCT	TTGGTAGACT	CATCAGCTGG	GCTTGAGAGG
8551	GCATCTGTGA	TGCCACTAAC	CACAGGAAGC	CAGGGTATGG	CTAGCTCTGG
8601	AGGAATCAGA	AGTGGGTCCA	CTCACTCAAC	TGGAACCAAA	ACATTTTCTT
8651	CTCTCCCTCT	GACCATGAAC	CCAGGTGAGG	TTACAGCCAT	GTCTGAAATC
8701	ACCACGAACA	GACTGACAGC	TACTCAATCA	ACAGCACCCA	AAGGGATACC

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
8751	TGTGAAGCCC	ACCAGTGCTG	AGTCAGGCCT	CCTAACACCT	GTCTCTGCCT
8801	CCTCAAGCCC	ATCAAAGGCC	TTTGCCTCAC	TGACTACAGC	TCCCCCATCA
8851	ACTTGGGGGA	TCCCACAGTC	TACCTTGACA	TTTGAGTTTT	CTGAGGTCCC
8901	AAGTTTGGAT	ACTAAGTCCG	CTTCTTTACC	AACTCCTGGA	CAGTCCCTGA
8951	ACACCATTCC	AGACTCAGAT	GCAAGCACAG	CATCTTCCTC	ACTGTCCAAG
9001	TCTCCAGAAA	AAAACCCAAG	GGCAAGGATG	ATGACTTCCA	CAAAGGCCAT
9051	AAGTGCAAGC	TCATTTCAAT	CAACAGGTTT	TACTGAAACC	CCTGAGGGAT
9101	CTGCCTCCCC	TTCTATGGCA	GGGCATGAAC	CCAGAGTCCC	CACTTCAGGA
9151	ACAGGGGACC	CTAGATATGC	CTCAGAGAGC	ATGTCTTATC	CAGACCCAAG
9201	CAAGGCATCA	TCAGCTATGA	CATCGACCTC	TCTTGCATCA	AAACTCACAA
9251	CTCTCTTCAG	CACAGGTCAA	GCAGCAAGGT	CTGGTTCTAG	TTCTCTCCCC
9301	ATAAGCCTAT	CCACTGAGAA	AGAAACAAGC	TTCTTTTCCC	CCACTGCATC
9351	CACCTCCAGA	AAGACTTCAC	TATTTCTTGG	GCCTTCCATG	GCAAGGCAGC
9401	CCAACATATT	GGTGCATCTT	CAGACTTCAG	CTCTGACACT	TTCTCCAACA
9451	TCCACTCTAA	ATATGTCCCA	GGAGGAGCCT	CCTGAGTTAA	CCTCAAGCCA
9501	GACCATTGCA	GAAGAAGAGG	GAACAACAGC	TGAAACACAG	ACGTTAACCT
9551	TCACACCATC	TGAGACCCCA	ACATCCTTGT	TACCTGTCTC	TTCTCCCACA
9601	GAACCCACAG	CCAGAAGAAA	GAGTTCTCCA	GAAACATGGG	CAAGCTCTAT
9651	TTCAGTTCCT	GCCAAGACCT	CCTTG GTTGA	AACAAC TGAT	GGAACGCTAG
9701	TGACCACCAT	AAAGATGTCA	AGCCAGGCAG	CACAAGGAAA	TTCCACGTGG
9751	CCTGCCCCAG	CAGAGGAGAC	GGGGACCAGT	CCAGCAGGCA	CATCCCCAGG
9801	AAGCCCAGAA	GTGTCTACCA	CTCTCAAAAT	CATGAGCTCC	AAGGAACCCA
9851	GCATCAGCCC	AGAGATCAGG	TCCACTGTGC	GAAATTCTCC	TTGGAAGACT
9901	CCAGAAACAA	CTGTTCCCAT	GGAGACCACA	GTGGAACCAG	TCACCCTTCA
9951	GTCCACAGCC	CTAGGAAGTG	GCAGCACCAG	CATCTCTCAC	CTGCCCACAG

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
10001	GAACCACATC	ACCAACCAAG	TCACCAACAG	AAAATATGTT	GGCTACAGAA
10051	AGGGTCTCCC	TCTCCCCATC	CCCACCTGAG	GCTTGGACCA	ACCTTTATTC
10101	TGGAACTCCA	GGAGGGACCA	GGCAGTCACT	GGCCACAATG	TCCTCTGTCT
10151	CCCTAGAGTC	ACCAACTGCT	AGAAGCATCA	CAGGGACTGG	TCAGCAAAGC
10201	AGTCCAGAAC	TGGTTTCAAA	GACAACTGGA	ATGGAATTCT	CTATGTGGCA
10251	TGGCTCTACT	GGAGGGACCA	CAGGGGACAC	ACATGTCTCT	CTGAGCACAT
10301	CTTCCAATAT	CCTTGAAGAC	CCTGTAACCA	GCCCCAACTC	TGTGAGCTCA
10351	TTGACAGATA	AATCCAAACA	TAAAACCGAG	ACATGGGTAA	GCACCACAGC
10401	CATTCCCTCC	ACTGTCCTGA	ATAATAAGAT	AATGGCAGCT	GAACAACAGA
10451	CAAGTCGATC	TGTGGATGAG	GCTTATTCAT	CAACTAGTTC	TTGGTCAGAT
10501	CAGACATCTG	GGAGTGACAT	CACCCTTGGT	GCATCTCCTG	ATGTCACAAA
10551	CACATTATAC	ATCACCTCCA	CAGCACAAAC	CACCTCACTA	GTGTCTCTGC
10601	CCTCTGGAGA	CCAAGGCATT	ACAAGCCTCA	CCAATCCCTC	AGGAGGAAAA
10651	ACAAGCTCTG	CGTCATCTGT	CACATCTCCT	TCAATAGGGC	TTGAGACTCT
10701	GAGGGCCAAT	GTAAGTGCAG	TGAAAAGTGA	CATTGCCCT	ACTGCTGGGC
10751	ATCTATCTCA	GACTTCATCT	CCTGCGGAAG	TGAGCATCCT	GGACGTAACC
10801	ACAGCTCCTA	CTCCAGGTAT	CTCCACCACC	ATCACCACCA	TGGGAACCAA
10851	CTCAATCTCA	ACTACCACAC	CCAACCCAGA	AGTGGGTATG	AGTACCATGG
10901	ACAGCACCCC	GGCCACAGAG	AGGCGCACAA	CTTCTACAGA	ACACCCTTCC
10951	ACCTGGTCTT	CCACAGCTGC	ATCAGATTCC	TGGACTGTCA	CAGACATGAC
11001	TTCAAACCTG	AAAGTTGCAA	GATCTCCTGG	AACAATTTC	ACAATGCATA
11051	CAACTTCATT	CTTAGCCTCA	AGCACTGAAT	TAGACTCCAT	GTCTACTCCC
11101	CATGGCCGTA	TAAGTGTGAT	TGGAACCAGC	CTGGTCACTC	CATCCTCTGA
11151	TGCTTCAGCT	GTAAAGACAG	AGACCAGTAC	AAGTGAAAGA	ACATTGAGTC
11201	CTTCAGACAC	AACTGCATCT	ACTCCCATCT	CAACTTTTTC	TCGTGTCCAG

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
11251	AGGATGAGCA	TCTCAGTTCC	TGACATTTTA	AGTACAAGTT	GGACTCCCAG
11301	TAGTACAGAA	GCAGAAGATG	TGCCTGTTTC	AATGGTTTCT	ACAGATCATG
11351	CTAGTACAAA	GACTGACCCA	AATACGCCCC	TGTCCACTTT	TCTGTTTGAT
11401	TCTCTGTCCA	CTCTTGACTG	GGACACTGGG	AGATCTCTGT	CATCAGCCAC
11451	AGCCACTACC	TCAGCTCCTC	AGGGGGCCAC	AACTCCCCAG	GAACCTCACTT
11501	TGGAAACCAT	GATCAGCCCA	GCTACCTCAC	AGTTGCCCTT	CTCTATAGGG
11551	CACATTACAA	GTGCAGTCAC	ACCAGCTGCA	ATGGCAAGGA	GCTCTGGAGT
11601	TACTTTTTCA	AGACCAGATC	CCACAAGCAA	AAAGGCAGAG	CAGACTTCCA
11651	CTCAGCTTCC	CACCACCACT	TCTGCACATC	CAGGGCAGGT	GCCCAGATCA
11701	GCAGCAACAA	CTCTGGATGT	GATCCACAC	ACAGCAAAAA	CTCCAGATGC
11751	AACTTTTCAG	AGACAAGGGC	AGACAGCTCT	TACAACAGAG	GCAAGAGCTA
11801	CATCTGACTC	CTGGAATGAG	AAAGAAAAAT	CAACCCCAAG	TGCACCTTGG
11851	ATCACTGAGA	TGATGAATTC	TGTCTCAGAA	GATACCATCA	AGGAGGTTAC
11901	CAGCTCCTCC	AGTGTATTAA	AGGACCCTGA	ATACGCTGGA	CATAAACTTG
11951	GAATCTGGGA	CGACTTCATC	CCCAAGTTTG	GAAAAGCAGC	CCATATGAGA
12001	GAGTTGCCCC	TTCTGAGTCC	ACCACAGGAC	AAAGAGGCAA	TTCACCCTTC
12051	TACAAACACA	GTAGAGACCA	CAGGCTGGGT	CACAAGTTCC	GAACATGCTT
12101	CTCATTCCAC	TATCCCAGCC	CACTCAGCGT	CATCCAAACT	CACATCTCCA
12151	GTGGTTACAA	CCTCCACCAG	GGAACAAGCA	ATAGTTTCTA	TGTCAACAAC
12201	CACATGGCCA	GAGTCTACAA	GGGCTAGAAC	AGAGCCTAAT	TCCTTCTTGA
12251	CTATTGAACT	GAGGGACGTC	AGCCCTTACA	TGGACACCAG	CTCAACCACA
12301	CAAACAAGTA	TTATCTCTTC	CCCAGGTTCC	ACTGCGATCA	CCAAGGGGCC
12351	TAGAACAGAA	ATTACCTCCT	CTAAGAGAAT	ATCCAGCTCA	TTCTTGCCCC
12401	AGTCTATGAG	GTCGTCAGAC	AGCCCCTCAG	AAGCCATCAC	CAGGCTGTCT
12451	AACTTTCCTG	CCATGACAGA	ATCTGGAGGA	ATGATCCTTG	CTATGCAAAC

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
12501	AAGTCCACCT	GGCGCTACAT	CACTAAGTGC	ACCTACTTTG	GATACATCAG
12551	CCACAGCCTC	CTGGACAGGG	ACTCCACTGG	CTACGACTCA	GAGATTTACA
12601	TACTCAGAGA	AGACCACTCT	CTTTAGCAAA	GGTCCTGAGG	ATACATCACA
12651	GCCAAGCCCT	CCCTCTGTGG	AAGAAACCAG	CTCTTCCTCT	TCCCTGGTAC
12701	CTATCCATGC	TACAACCTCG	CCTTCCAATA	TTTTGTTGAC	ATCACAAGGG
12751	CACAGTCCCT	CCTCTACTCC	ACCTGTGACC	TCAGTTTTCT	TGTCTGAGAC
12801	CTCTGGCCTG	GGGAAGACCA	CAGACATGTC	GAGGATAAGC	TTGGAACCTG
12851	GCACAAGTTT	ACCTCCCAAT	TTGAGCAGTA	CAGCAGGTGA	GGCGTTATCC
12901	ACTTATGAAG	CCTCCAGAGA	TACAAAGGCA	ATTCATCATT	CTGCAGACAC
12951	AGCAGTGACG	AATATGGAGG	CAACCAGTTC	TGAATATTCT	CCTATCCCAG
13001	GCCATACAAA	GCCATCCAAA	GCCACATCTC	CATTGGTTAC	CTCCCACATC
13051	ATGGGGGACA	TCACTTCTTC	CACATCAGTA	TTTGGCTCCT	CCGAGACCAC
13101	AGAGATTGAG	ACAGTGTCTT	CTGTGAACCA	GGGACTTCAG	GAGAGAAGCA
13151	CATCCCAGGT	GGCCAGCTCT	GCTACAGAGA	CAAGCACTGT	CATTACCCAT
13201	GTGTCTAGTG	GTGATGCTAC	TACTCATGTC	ACCAAGACAC	AAGCCACTTT
13251	CTCTAGCGGA	ACATCCATCT	CAAGCCCTCA	TCAGTTTATA	ACTTCTACCA
13301	ACACATTTAC	AGATGTGAGC	ACCAACCCCT	CCACCTCTCT	GATAATGACA
13351	GAATCTTCAG	GAGTGACCAT	CACCACCCAA	ACAGGTCCTA	CTGGAGCTGC
13401	AACACAGGGT	CCATATCTCT	TGGACACATC	AACCATGCCT	TACTTGACAG
13451	AGACTCCATT	AGCTGTGACT	CCAGATTTTA	TGCAATCAGA	GAAGACCACT
13501	CTCATAAGCA	AAGGTCCCAA	GGATGTGACC	TGGACAAGCC	CTCCCTCTGT
13551	GGCAGAAACC	AGCTATCCCT	CTTCCCTGAC	ACCTTTCTTG	GTCACAACCA
13601	TACCTCCTGC	CACTTCCACG	TTACAAGGGC	AACATACATC	CTCTCCTGTT
13651	TCTGCGACTT	CAGTTCTTAC	CTCTGGACTG	GTGAAGACCA	CAGATATGTT
13701	GAACACAAGC	ATGGAACCTG	TGACCAATTC	ACCTCAAAAT	TTGAACAATC

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
13751	CATCAAATGA	GATACTGGCC	ACTTTGGCAG	CCACCACAGA	TATAGAGACT
13801	ATTCATCCTT	CCATAAACAA	AGCAGTGACC	AATATGGGGA	CTGCCAGTTC
13851	AGCACATGTA	CTGCATTCCA	CTCTCCCAGT	CAGCTCAGAA	CCATCTACAG
13901	CCACATCTCC	AATGGTTCCT	GCCTCCAGCA	TGGGGGACGC	TCTTGCTTCT
13951	ATATCAATAC	CTGGTTCTGA	GACCACAGAC	ATTGAGGGAG	AGCCAACATC
14001	CTCCCTGACT	GCTGGACGAA	AAGAGAACAG	CACCCTCCAG	GAGATGAACT
14051	CAACTACAGA	GTCAAACATC	ATCCTCTCCA	ATGTGTCTGT	GGGGGCTATT
14101	ACTGAAGCCA	CAAAAATGGA	AGTCCCCTCT	TTTGATGCAA	CATTCATACC
14151	AACTCCTGCT	CAGTCAACAA	AGTTCCCAGA	TATTTTCTCA	GTAGCCAGCA
14201	GTAGACTTTC	AAACTCTCCT	CCCATGACAA	TATCTACCCA	CATGACCACC
14251	ACCCAGACAG	GGTCTTCTGG	AGCTACATCA	AAGATTCCAC	TTGCCTTAGA
14301	CACATCAACC	TTGGAAACCT	CAGCAGGGAC	TCCATCAGTG	GTGACTGAGG
14351	GGTTTGCCCA	CTCAAAAATA	ACCACTGCAA	TGAACAATGA	TGTCAAGGAC
14401	GTGTCACAGA	CAAACCCTCC	CTTTCAGGAT	GAAGCCAGCT	CTCCCTCTTC
14451	TCAAGCACCT	GTCCTTGTC	CAACCTTACC	TTCTTCTGTT	GCTTTCACAC
14501	CGCAATGGCA	CAGTACCTCC	TCTCCTGTTT	CTATGTCCTC	AGTTCTTACT
14551	TCTTCACTGG	TAAAGACCGC	AGGCAAGGTG	GATACAAGCT	TAGAAACAGT
14601	GACCAGTTCA	CCTCAAAGTA	TGAGCAACAC	TTTGGATGAC	ATATCGGTCA
14651	CTTCAGCAGC	CACCACAGAT	ATAGAGACAA	CGCATCCTTC	CATAAACACA
14701	GTAGTTACCA	ATGTGGGGAC	CACCGGTTCA	GCATTGAAT	CACATTCTAC
14751	TGTCTCAGCT	TACCCAGAGC	CATCTAAAGT	CACATCTCCA	AATGTTACCA
14801	CCTCCACCAT	GGAAGACACC	ACAATTTCCC	GATCAATACC	TAAATCCTCT
14851	AAGACTACAA	GAAGTGAGAC	TGAGACAACT	TCCTCCCTGA	CTCCTAAACT
14901	GAGGGAGACC	AGCATCTCCC	AGGAGATCAC	CTCGTCCACA	GAGACAAGCA
14951	CTGTTCCCTTA	CAAAGAGCTC	ACTGGTGCCA	CTACCGAGGT	ATCCAGGACA

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
15001	GATGTCAC	CTCTAGCAG	TACATCCTTC	CCTGGCCCTG	ATCAGTCCAC
15051	AGTGTCACTA	GACATCTCCA	CAGAAACCAA	CACCAGGCTG	TCTACCTCCC
15101	CAATAATGAC	AGAATCTGCA	GAAATAACCA	TCACCACCCA	AACAGGTCCT
15151	CATGGGGCTA	CATCACAGGA	TACTTTTACC	ATGGACCCAT	CAAATACAAC
15201	CCCCCAGGCA	GGGATCCACT	CAGCTATGAC	TCATGGATTT	TCACAATTGG
15251	ATGTGACCAC	TCTTATGAGC	AGAATTCCAC	AGGATGTATC	ATGGACAAGT
15301	CCTCCCTCTG	TGGATAAAAC	CAGCTCCCCC	TCTTCCTTTC	TGTCCTCACC
15351	TGCAATGACC	ACACCTTCCC	TGATTTCTTC	TACCTTACCA	GAGGATAAGC
15401	TCTCCTCTCC	TATGACTTCA	CTTCTCACCT	CTGGCCTAGT	GAAGATTACA
15451	GACATATTAC	GTACACGCTT	GGAACCTGTG	ACCAGCTCAC	TTCCAAATTT
15501	CAGCAGCACC	TCAGATAAGA	TACTGGCCAC	TTCTAAAGAC	AGTAAAGACA
15551	CAAAGGAAAT	TTTTCCTTCT	ATAAACACAG	AAGAGACCAA	TGTGAAAGCC
15601	AACAACCTCTG	GACATGAATC	CCATTCCCCT	GCACTGGCTG	ACTCAGAGAC
15651	ACCCAAAGCC	ACAACCTCAA	TGGTTATCAC	CACCACTGTG	GGAGATCCAG
15701	CTCCTTCCAC	ATCAATGCCA	GTGCATGGTT	CCTCTGAGAC	TACAAACATT
15751	AAGAGAGAGC	CAACATATTT	CTTGACTCCT	AGACTGAGAG	AGACCAGTAC
15801	CTCTCAGGAG	TCCAGCTTTC	CCACGGACAC	AAGTTTTCTA	CTTTCCAAAG
15851	TCCCCACTGG	TACTATTACT	GAGGTCTCCA	GTACAGGGGT	CAACTCTTCT
15901	AGCAAAATTT	CCACCCCAGA	CCATGATAAG	TCCACAGTGC	CACCTGACAC
15951	CTTCACAGGA	GAGATCCCCA	GGGTCTTCAC	CTCCTCTATT	AAGACAAAAT
16001	CTGCAGAAAT	GACGATCACC	ACCCAAGCAA	GTCCTCCTGA	GTCTGCATCG
16051	CACAGTACCC	TTCCCTTGGA	CACATCAACC	ACACTTTCCT	AGGGAGGGAC
16101	TCATTCAACT	GTGACTCAGG	GATTCCCATA	CTCAGAGGTG	ACCACTCTCA
16151	TGGGCATGGG	TCCTGGGAAT	GTGTCATGGA	TGACAACTCC	CCCTGTGGAA
16201	GAAACCAGCT	CTGTGTCTTC	CCTGATGTCT	TCACCTGCCA	TGACATCCCC

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
16251	TTCTCCTGTT	TCCTCCACAT	CACCACAGAG	CATCCCCTCC	TCTCCTCTTC
16301	CTGTGACTGC	ACTTCCTACT	TCTGTTCTGG	TGACAACCAC	AGATGTGTTG
16351	GGCACAACAA	GCCCAGAGTC	TGTAACCAGT	TCACCTCCAA	ATTGAGCAG
16401	CATCACTCAT	GAGAGACCGG	CCACTTACAA	AGACACTGCA	CACACAGAAG
16451	CCGCCATGCA	TCATTCCACA	AACACCGCAG	TGACCAATGT	AGGGACTTCC
16501	GGGTCTGGAC	ATAAATCACA	ATCCTCTGTC	CTAGCTGACT	CAGAGACATC
16551	GAAAGCCACA	CCTCTGATGA	GTACCACCTC	CACCCTGGGG	GACACAAGTG
16601	TTTCCACATC	AACTCCTAAT	ATCTCTCAGA	CTAACCAAAT	TCAAACAGAG
16651	CCAACAGCAT	CCCTGAGCCC	TAGACTGAGG	GAGAGCAGCA	CGTCTGAGAA
16701	GACCAGCTCA	ACAACAGAGA	CAAATACTGC	CTTTTCTTAT	GTGCCCACAG
16751	GTGCTATTAC	TCAGGCCTCC	AGAACAGAAA	TCTCCTCTAG	CAGAACATCC
16801	ATCTCAGACC	TTGATCGGCC	CACAATAGCA	CCCGACATCT	CCACAGGAAT
16851	GATCACCAGG	CTCTTCACCT	CCCCCATCAT	GACAAAATCT	GCAGAAATGA
16901	CCGTCACCAC	TCAAACAAC	ACTCCTGGGG	CTACATCACA	GGGTATCCTT
16951	CCTTGGGACA	CATCAACCAC	ACTTTTCCAG	GGAGGGACTC	ATTCAACCGT
17001	GTCTCAGGGA	TTCCCACACT	CAGAGATAAC	CACTCTTCGG	AGCAGAACCC
17051	CTGGAGATGT	GTCATGGATG	ACAACTCCCC	CTGTGGAAGA	AACCAGCTCT
17101	GGGTTTTCCC	TGATGTCACC	TTCCATGACA	TCCCCTTCTC	CTGTTTCCTC
17151	CACATCACCA	GAGAGCATCC	CCTCCTCTCC	TCTCCCTGTG	ACTGCACTTC
17201	TTACTTCTGT	TCTGGTGACA	ACCACCAATG	TATTGGGCAC	AACAAGCCCA
17251	GAGACCGTAA	CGAGTTCACC	TCCAAATTTA	AGCAGCCCCA	CACAGGAGAG
17301	ACTGACCACT	TACAAAGACA	CTGCGCACAC	AGAAGCCATG	CATGCTTCCA
17351	TGCATACAAA	CACTGCAGTG	GCCAACGTCG	GGACCTCCAT	TTCTGGACAT
17401	GAATCACAAAT	CTTCTGTCCC	AGCTGATTCA	CACACATCCA	AAGCCACATC
17451	TCCAATGGGT	ATCACCTTCG	CCATGGGGGA	TACAAGTGTT	TCTACATCAA

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
17501	CTCCTGCCTT	CTTTGAGACT	AGAATTCAGA	CTGAATCAAC	ATCCTCTTTG
17551	ATTCCTGGAT	TAAGGGACAC	CAGGACGTCT	GAGGAGATCA	ACACTGTGAC
17601	AGAGACCAGC	ACTGTCCTTT	CAGAAGTGCC	CACTACTACT	ACTACTGAGG
17651	TCTCCAGGAC	AGAAGTTATC	ACTTCCAGCA	GAACAACCAT	CTCAGGGCCT
17701	GATCATTCCA	AAATGTCACC	CTACATCTCC	ACAGAAACCA	TCACCAGGCT
17751	CTCCACTTTT	CCTTTTGTAA	CAGGATCCAC	AGAAATGGCC	ATCACCAACC
17801	AAACAGGTCC	TATAGGGACT	ATCTCACAGG	CTACCCTTAC	CCTGGACACA
17851	TCAAGCACAG	CTTCCTGGGA	AGGGACTCAC	TCACCTGTGA	CTCAGAGATT
17901	TCCACACTCA	GAGGAGACCA	CTACTATGAG	CAGAAGTACT	AAGGGCGTGT
17951	CATGGCAAAG	CCCTCCCTCT	GTGGAAGAAA	CCAGTTCTCC	TTCTTCCCCA
18001	GTGCCTTTAC	CTGCAATAAC	CTCACATTCA	TCTCTTTATT	CCGCAGTATC
18051	AGGAAGTAGC	CCCACTTCTG	CTCTCCCTGT	GACTTCCCTT	CTCACCTCTG
18101	GCAGGAGGAA	GACCATAGAC	ATGTTGGACA	CACACTCAGA	ACTTGTGACC
18151	AGCTCCTTAC	CAAGTGCAAG	TAGCTTCTCA	GGTGAGATAC	TCACTTCTGA
18201	AGCCTCCACA	AATACAGAGA	CAATTCACTT	TTCAGAGAAC	ACAGCAGAAA
18251	CCAATATGGG	GACCACCAAT	TCTATGCATA	AACTACATTC	CTCTGTCTCA
18301	ATCCACTCCC	AGCCATCCGG	ACACACACCT	CCAAAGGTTA	CTGGATCTAT
18351	GATGGAGGAC	GCTATTGTTT	CCACATCAAC	ACCTGGTTCT	CCTGAGACTA
18401	AAAATGTTGA	CAGAGACTCA	ACATCCCCTC	TGACTCCTGA	ACTGAAAGAG
18451	GACAGCACCG	CCCTGGTGAT	GAACTCAACT	ACAGAGTCAA	ACACTGTTTT
18501	CTCCAGTGTG	TCCCTGGATG	CTGCTACTGA	GGTCTCCAGG	GCAGAAGTCA
18551	CCTACTATGA	TCCTACATTC	ATGCCAGCTT	CTGCTCAGTC	AACAAAGTCC
18601	CCAGACATTT	CACCTGAAGC	CAGCAGCAGT	CATTCTAACT	CTCCTCCCTT
18651	GACAATATCT	ACACACAAGA	CCATCGCCAC	ACAAACAGGT	CCTTCTGGGG
18701	TGACATCTCT	TGGCCAAGTG	ACCCTGGACA	CATCAACCAT	AGCCACCTCA

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
18751	GCAGGAACTC	CATCAGCCAG	AACTCAGGAT	TTTGTAGATT	CAGAAACAAC
18801	CAGTGTCATG	AACAATGATC	TCAATGATGT	GTTGAAGACA	AGCCCTTTCT
18851	CTGCAGAAGA	AGCCAACTCT	CTCTCTTCTC	AGGCACCTCT	CCTTGTGACA
18901	ACCTCACCTT	CTCCTGTAAC	TTCCACATTG	CAAGAGCACA	GTACCTCCTC
18951	TCTTGTTTCT	GTGACCTCAG	TACCCACCCC	TACTCTGGCG	AAGATCACAG
19001	ACATGGACAC	AAACTTAGAA	CCTGTGACTC	GTTCACCTCA	AAATTTAAGG
19051	AACACCTTGG	CCACTTCAGA	AGCCACCACA	GATACACACA	CAATGCATCC
19101	TTCTATAAAC	ACAGCAATGG	CCAATGTGGG	GACCACCAGT	TCACCAAATG
19151	AATTCTATTT	TACTGTCTCA	CCTGACTCAG	ACCCATATAA	AGCCACATCC
19201	GCAGTAGTTA	TCACTTCCAC	CTCGGGGGAC	TCAATAGTTT	CCACATCAAT
19251	GCCTAGATCC	TCTGCGATGA	AAAAGATTGA	GTCTGAGACA	ACTTTCTCCC
19301	TGATATTTAG	ACTGAGGGAG	ACTAGCACCT	CCCAGAAAAT	TGGCTCATCC
19351	TCAGACACAA	GCACGGTCTT	TGACAAAGCA	TTCACTGCTG	CTACTACTGA
19401	GGTCTCCAGA	ACAGAACTCA	CCTCCTCTAG	CAGAACATCC	ATCCAAGGCA
19451	CTGAAAAGCC	CACAATGTCA	CCGGACACCT	CCACAAGATC	TGTCACCATG
19501	CTTTCTACTT	TTGCTGGCCT	GACAAAATCC	GAAGAAAGGA	CCATTGCCAC
19551	CCAAACAGGT	CCTCATAGGG	CGACATCACA	GGGTACCCTT	ACCTGGGACA
19601	CATCAATCAC	AACCTCACAG	GCAGGGACCC	ACTCAGCTAT	GACTCATGGA
19651	TTTTCACAAT	TAGATTTGTC	CACTCTTACG	AGTAGAGTTC	CTGAGTACAT
19701	ATCAGGGACA	AGCCCACCCT	CTGTGGAAAA	AACCAGCTCT	TCCTCTTCCC
19751	TTCTGTCTTT	ACCAGCAATA	ACCTCACCGT	CCCCTGTACC	TACTACATTA
19801	CCAGAAAGTA	GGCCGTCTTC	TCCTGTTCAT	CTGACTTCAC	TCCCCACCTC
19851	TGGCCTAGTG	AAGACCACAG	ATATGCTGGC	ATCTGTGGCC	AGTTTACCTC
19901	CAAACCTGGG	CAGCACCTCA	CATAAGATAC	CGACTACTTC	AGAAGACATT
19951	AAAGATACAG	AGAAAATGTA	TCCTTCCACA	AACATAGCAG	TAACCAATGT

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
20001	GGGGACCACC	ACTTCTGAAA	AGGAATCTTA	TTCGTCTGTC	CCAGCCTACT
20051	CAGAACCACC	CAAAGTCACC	TCTCCAATGG	TTACCTCTTT	CAACATAAGG
20101	GACACCATTG	TTTCCACATC	CATGCCTGGC	TCCTCTGAGA	TTACAAGGAT
20151	TGAGATGGAG	TCAACATTCT	CCGTGGCTCA	TGGGCTGAAG	GGAACCAGCA
20201	CCTCCCAGGA	CCCCATCGTA	TCCACAGAGA	AAAGTGCTGT	CCTTCACAAG
20251	TTGACCACTG	GTGCTACTGA	GACCTCTAGG	ACAGAAGTTG	CCTCTTCTAG
20301	AAGAACATCC	ATTCCAGGCC	CTGATCATTC	CACAGAGTCA	CCAGACATCT
20351	CCACTGAAGT	GATCCCCAGC	CTGCCTATCT	CCCTTGGCAT	TACAGAATCT
20401	TCAAATATGA	CCATCATCAC	TCGAACAGGT	CCTCCTCTTG	GCTCTACATC
20451	ACAGGGCACA	TTTACCTTGG	ACACACCAAC	TACATCCTCC	AGGGCAGGAA
20501	CACACTCGAT	GGCGACTCAG	GAATTTCCAC	ACTCAGAAAT	GACCACTGTC
20551	ATGAACAAGG	ACCCTGAGAT	TCTATCATGG	ACAATCCCTC	CTTCTATAGA
20601	GAAAACCAGC	TTCTCCTCTT	CCCTGATGCC	TTCACCAGCC	ATGACTTCAC
20651	CTCCTGTTTC	CTCAACATTA	CCAAAGACCA	TTCACACCAC	TCCTTCTCCT
20701	ATGACCTCAC	TGCTCACCCC	TAGCCTAGTG	ATGACCACAG	ACACATTGGG
20751	CACAAGCCCA	GAACCTACAA	CCAGTTCACC	TCCAAATTTG	AGCAGTACCT
20801	CACATGTGAT	ACTGACAACA	GATGAAGACA	CCACAGCTAT	AGAAGCCATG
20851	CATCCTTCCA	CAAGCACAGC	AGCGACTAAT	GTGGAAACCA	CCTGTTCTGG
20901	ACATGGGTCA	CAATCCTCTG	TCCTAACTGA	CTCAGAAAAA	ACCAAGGCCA
20951	CAGCTCCAAT	GGATACCACC	TCCACCATGG	GGCATACAAC	TGTTTCCACA
21001	TCAATGTCTG	TTTCCTCTGA	GACTACAAAA	ATTAAGAGAG	AGTCAACATA
21051	TTCTTGACT	CCTGGACTGA	GAGAGACCAG	CATTTCCCAA	AATGCCAGCT
21101	TTTCCACTGA	CACAAGTATT	GTTCTTTCAG	AAGTCCCCAC	TGGTACTACT
21151	GCTGAGGTCT	CCAGGACAGA	AGTCACCTCC	TCTGGTAGAA	CATCCATCCC
21201	TGGCCCTTCT	CAGTCCACAG	TTTTGCCAGA	AATATCCACA	AGAACAATGA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

21251	CAAGGCTCTT	TGCCTCGCCC	ACCATGACAG	AATCAGCAGA	AATGACCATC
21301	CCCACTCAAA	CAGGTCCTTC	TGGGTCTACC	TCACAGGATA	CCCTTACCTT
21351	GGACACATCC	ACCACAAAGT	CCCAGGCAAA	GACTCATTCA	ACTTTGACTC
21401	AGAGATTTC	ACACTCAGAG	ATGACCACTC	TCATGAGCAG	AGGTCCTGGA
21451	GATATGTCAT	GGCAAAGCTC	TCCCTCTCTG	GAAAATCCCA	GCTCTCTCCC
21501	TTCCCTGCTG	TCTTTACCTG	CCACAACCTC	ACCTCCTCCC	ATTTCCTCCA
21551	CATTACCAGT	GACTATCTCC	TCCTCTCCTC	TTCTGTGAC	TTCACTTCTC
21601	ACCTCTAGCC	CGGTAACGAC	CACAGACATG	TTACACACAA	GCCCAGAACT
21651	TGTAACCAGT	TCACCTCCAA	AGCTGAGCCA	CACTTCAGAT	GAGAGACTGA
21701	CCACTGGCAA	GGACACCACA	AATACAGAAG	CTGTGCATCC	TTCCACAAAC
21751	ACAGCAGCGT	CCAATGTGGA	GATTCCCAGC	TTTGGACATG	AATCCCCTTC
21801	CTCTGCCTTA	GCTGACTCAG	AGACATCCAA	AGCCACATCA	CCAATGTTTA
21851	TTACCTCCAC	CCAGGAGGAT	ACAACTGTTG	CCATATCAAC	CCCTCACTTC
21901	TTGGAGACTA	GCAGAATTCA	GAAAGAGTCA	ATTTCCTCCC	TGAGCCCTAA
21951	ATTGAGGGAG	ACAGGCAGTT	CTGTGGAGAC	AAGCTCAGCC	ATAGAGACAA
22001	GTGCTGTCCT	TTCTGAAGTG	TCCATTGGTG	CTACTACTGA	GATCTCCAGG
22051	ACAGAAGTCA	CCTCCTCTAG	CAGAACATCC	ATCTCTGGTT	CTGCTGAGTC
22101	CACAATGTTG	CCAGAAATAT	CCACCACAAG	AAAAATCATT	AAGTTCCCTA
22151	CTTCCCCCAT	CCTGGCAGAA	TCATCAGAAA	TGACCATCAA	GACCCAAACA
22201	AGTCCTCCTG	GGTCTACATC	AGAGAGTACC	TTTACATTAG	ACACATCAAC
22251	CACTCCCTCC	TTGGTAATAA	CCCATTGAC	TATGACTCAG	AGATTGCCAC
22301	ACTCAGAGAT	AACCACTCTT	GTGAGTAGAG	GTGCTGGGGA	TGTGCCACGG
22351	CCCAGCTCTC	TCCCTGTGGA	AGAAACAAGC	CCTCCATCTT	CCCAGCTGTC
22401	TTTATCTGCC	ATGATCTCAC	CTTCTCCTGT	TTCTTCCACA	TTACCAGCAA
22451	GTAGCCACTC	CTCTTCTGCT	TCTGTGACTT	CACCTCTCAC	ACCAGGCCAA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

22501	GTGAAGACTA	CTGAGGTGTT	GGACGCAAGT	GCAGAACCTG	AAACCAGTTC
22551	ACCTCCAAGT	TTGAGCAGCA	CCTCAGTTGA	AATACTGGCC	ACCTCTGAAG
22601	TCACCACAGA	TACGGAGAAA	ATTCATCCTT	TCCCAAACAC	GGCAGTAACC
22651	AAAGTTGGAA	CTTCCAGTTC	TGGACATGAA	TCCCCTTCCT	CTGTCCTACC
22701	TGACTCAGAG	ACAACCAAAG	CCACATCGGC	AATGGGTACC	ATCTCCATTA
22751	TGGGGGATAC	AAGTGTTTCT	ACATTAAGTC	CTGCCTTATC	TAACACTAGG
22801	AAAATTCAGT	CAGAGCCAGC	TTCCTCACTG	ACCACCAGAT	TGAGGGAGAC
22851	CAGCACCTCT	GAAGAGACCA	GCTTAGCCAC	AGAAGCAAAC	ACTGTTCTTT
22901	CTAAAGTGTC	CACTGGTGCT	ACTACTGAGG	TCTCCAGGAC	AGAAGCCATC
22951	TCCTTTAGCA	GAACATCCAT	GTCAGGCCCT	GAGCAGTCCA	CAATGTCACA
23001	AGACATCTCC	ATAGGAACCA	TCCCCAGGAT	TTCTGCCTCC	TCTGTCCTGA
23051	CAGAATCTGC	AAAAATGACC	ATCACAACCC	AAACAGGTCC	TTCGGAGTCT
23101	ACACTAGAAA	GTACCCTTAA	TTTGAACACA	GCAACCACAC	CCTCTTGGGT
23151	GGAAACCCAC	TCTATAGTAA	TTCAGGGATT	TCCACACCCA	GAGATGACCA
23201	CTTCCATGGG	CAGAGGTCCT	GGAGGTGTGT	CATGGCCTAG	CCCTCCCTTT
23251	GTGAAAGAAA	CCAGCCCTCC	ATCCTCCCCG	CTGTCTTTAC	CTGCCGTGAC
23301	CTCACCTCAT	CCTGTTTCCA	CCACATTCCT	AGCACATATC	CCCCCTCTC
23351	CCCTTCCTGT	GACTTCACTT	CTCACCTCTG	GCCCGGCGAC	AACCACAGAT
23401	ATCTTGGGTA	CAAGCACAGA	ACCTGGAACC	AGTTCATCTT	CAAGTTTGAG
23451	CACCACCTCC	CATGAGAGAC	TGACCACTTA	CAAAGACACT	GCACATACAG
23501	AAGCCGTGCA	TCCTTCCACA	AACACAGGAG	GGACCAATGT	GGCAACCACC
23551	AGCTCTGGAT	ATAAATCACA	GTCCTCTGTC	CTAGCTGACT	CATCTCCAAT
23601	GTGTACCACC	TCCACCATGG	GGGATACAAG	TGTTCTCACA	TCAACTCCTG
23651	CCTTCCTTGA	GACTAGGAGG	ATTCAGACAG	AGCTAGCTTC	CTCCCTGACC
23701	CCTGGATTGA	GGGAGTCCAG	TGGCTCTGAA	GGGACCAGCT	CAGGCACCAA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

23751	GATGAGCACT	GTCCTCTCTA	AAGTGCCAC	TGGTGCTACT	ACTGAGATCT
23801	CCAAGGAAGA	CGTCACCTCC	ATCCCAGGTC	CCGCTCAATC	CACAATATCA
23851	CCAGACATCT	CCACAAGAAC	CGTCAGCTGG	TTCTCTACAT	CCCCTGTCAT
23901	GACAGAATCA	GCAGAAATAA	CCATGAACAC	CCATACAAGT	CCTTTAGGGG
23951	CCACAACACA	AGGCACCAGT	ACTTTGGCCA	CGTCAAGCAC	AACCTCTTTG
24001	ACAATGACAC	ACTCAACTAT	ATCTCAAGGA	TTTTCACACT	CACAGATGAG
24051	CACTCTTATG	AGGAGGGGTC	CTGAGGATGT	ATCATGGATG	AGCCCTCCCC
24101	TTCTGGAAAA	AACTAGACCT	TCCTTTTCTC	TGATGTCTTC	ACCAGCCACA
24151	ACTTCACCTT	CTCCTGTTTC	CTCCACATTA	CCAGAGAGCA	TCTCTTCCTC
24201	TCCTCTTCCT	GTGACTTCAC	TCCTCACGTC	TGGCTTGGCA	AAAACACAG
24251	ATATGTTGCA	CAAAAGCTCA	GAACCTGTAA	CCAACTCACC	TGCAAATTTG
24301	AGCAGCACCT	CAGTTGAAAT	ACTGGCCACC	TCTGAAGTCA	CCACAGATAC
24351	AGAGAAAAC	CATCCTTCTT	CAAACAGAAC	AGTGACCGAT	GTGGGGACCT
24401	CCAGTTCTGG	ACATGAATCC	ACTTCCTTTG	TCCTAGCTGA	CTCACAGACA
24451	TCCAAAGTCA	CATCTCCAAT	GGTTATTACC	TCCACCATGG	AGGATACGAG
24501	TGTCTCCACA	TCAACTCCTG	GCTTTTTTTGA	GACTAGCAGA	ATTCAGACAG
24551	AACCAACATC	CTCCCTGACC	CTTGGACTGA	GAAAGACCAG	CAGCTCTGAG
24601	GGGACCAGCT	TAGCCACAGA	GATGAGCACT	GTCCTTTCTG	GAGTGCCAC
24651	TGGTGCCACT	GCTGAAGTCT	CCAGGACAGA	AGTCACCTCC	TCTAGCAGAA
24701	CATCCATCTC	AGGCTTTGCT	CAGCTCACAG	TGTCACCAGA	GACTTCCACA
24751	GAAACCATCA	CCAGACTCCC	TACCTCCAGC	ATAATGACAG	AATCAGCAGA
24801	AATGATGATC	AAGACACAAA	CAGATCCTCC	TGGGTCTACA	CCAGAGAGTA
24851	CTCATACTGT	GGACATATCA	ACAACACCCA	ACTGGGTAGA	AACCCACTCG
24901	ACTGTGACTC	AGAGATTTTC	ACACTCAGAG	ATGACCACTC	TTGTGAGCAG
24951	AAGCCCTGGT	GATATGTTAT	GGCCTAGTCA	ATCCTCTGTG	GAAGAAACCA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

25001	GCTCTGCCTC	TTCCCTGCTG	TCTCTGCCTG	CCACGACCTC	ACCTTCTCCT
25051	GTTTCCTCTA	CATTAGTAGA	GGATTTCCTC	TCCGCTTCTC	TTCCTGTGAC
25101	TTCTCTTCTC	ACCCCTGGCC	TGGTGATAAC	CACAGACAGG	ATGGGCATAA
25151	GCAGAGAACC	TGGAACCAGT	TCCACTTCAA	ATTTGAGCAG	CACCTCCCAT
25201	GAGAGACTGA	CCACTTTGGA	AGACACTGTA	GATACAGAAG	ACATGCAGCC
25251	TTCCACACAC	ACAGCAGTGA	CCAACGTGAG	GACCTCCATT	TCTGGACATG
25301	AATCACAATC	TTCTGTCCTA	TCTGACTCAG	AGACACCCAA	AGCCACATCT
25351	CCAATGGGTA	CCACCTACAC	CATGGGGGAA	ACGAGTGTTT	CCATATCCAC
25401	TTCTGACTTC	TTTGAGACCA	GCAGAATTCA	GATAGAACCA	ACATCCTCCC
25451	TGACTTCTGG	ATTGAGGGAG	ACCAGCAGCT	CTGAGAGGAT	CAGCTCAGCC
25501	ACAGAGGGAA	GCACTGTCCT	TTCTGAAGTG	CCCAGTGGTG	CTACCACTGA
25551	GGTCTCCAGG	ACAGAAGTGA	TATCCTCTAG	GGGAACATCC	ATGTCAGGGC
25601	CTGATCAGTT	CACCATATCA	CCAGACATCT	CTACTGAAGC	GATCACCAGG
25651	CTTTCTACTT	CCCCCATTAT	GACAGAATCA	GCAGAAAGTG	CCATCACTAT
25701	TGAGACAGGT	TCTCCTGGGG	CTACATCAGA	GGGTACCCTC	ACCTTGGACA
25751	CCTCAACAAC	AACCTTTTGG	TCAGGGACCC	ACTCAACTGC	ATCTCCAGGA
25801	TTTTCACACT	CAGAGATGAC	CACTCTTATG	AGTAGAACTC	CTGGAGATGT
25851	GCCATGGCCG	AGCCTTCCCT	CTGTGGAAGA	AGCCAGCTCT	GTCTCTTCCT
25901	CACTGTCTTC	ACCTGCCATG	ACCTCAACTT	CTTTTTTCTC	CGCATTACCA
25951	GAGAGCATCT	CCTCCTCTCC	TCATCCTGTG	ACTGCACTTC	TCACCCTTGG
26001	CCCAGTGAAG	ACCACAGACA	TGTTGCGCAC	AAGCTCAGAA	CCTGAAACCA
26051	GTTACCTCC	AAATTTGAGC	AGCACCTCAG	CTGAAATATT	AGCCACGTCT
26101	GAAGTCACCA	AAGATAGAGA	GAAAATTCAT	CCCTCCTCAA	ACACACCTGT
26151	AGTCAATGTA	GGGACTGTGA	TTTATAAACA	TCTATCCCCT	TCCTCTGTTT
26201	TGGCTGACTT	AGTGACAACA	AAACCCACAT	CTCCAATGGC	TACCACCTCC

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

26251	ACTCTGGGGA	ATACAAGTGT	TTCCACATCA	ACTCCTGCCT	TCCCAGAAAC
26301	TATGATGACA	CAGCCAACTT	CCTCCCTGAC	TTCTGGATTA	AGGGAGATCA
26351	GTACCTCTCA	AGAGACCAGC	TCAGCAACAG	AGAGAAGTGC	TTCTCTTTCT
26401	GGAATGCCCCA	CTGGTGCTAC	TACTAAGGTC	TCCAGAACAG	AAGCCCTCTC
26451	CTTAGGCAGA	ACATCCACCC	CAGGTCCTGC	TCAATCCACA	ATATCACCAG
26501	AAATCTCCAC	GGAAACCATC	ACTAGAATTT	CTACTCCCCT	CACCACGACA
26551	GGATCAGCAG	AAATGACCAT	CACCCCCAAA	ACAGGTCATT	CTGGGGCATC
26601	CTCACAAGGT	ACCTTTACCT	TGGACACATC	AAGCAGAGCC	TCCTGGCCAG
26651	GAACTCACTC	AGCTGCAACT	CACAGATCTC	CACACTCAGG	GATGACCACT
26701	CCTATGAGCA	GAGGTCCTGA	GGATGTGTCA	TGGCCAAGCC	GCCCATCAGT
26751	GGAAAAAACT	AGCCCTCCAT	CTTCCCTGGT	GTCTTTATCT	GCAGTAACCT
26801	CACCTTCGCC	ACTTTATTCC	ACACCATCTG	AGAGTAGCCA	CTCATCTCCT
26851	CTCCGGGTGA	CTTCTCTTTT	CACCCCTGTC	ATGATGAAGA	CCACAGACAT
26901	GTTGGACACA	AGCTTGGAAC	CTGTGACCAC	TTCACCTCCC	AGTATGAATA
26951	TCACCTCAGA	TGAGAGTCTG	GCCACTTCTA	AAGCCACCAT	GGAGACAGAG
27001	GCAATTCAGC	TTTCAGAAAA	CACAGCTGTG	ACTCAGATGG	GCACCATCAG
27051	CGCTAGACAA	GAATTCTATT	CCTCTTATCC	AGGCCTCCCA	GAGCCATCCA
27101	AAGTGACATC	TCCAGTGGTC	ACCTCTTCCA	CCATAAAAGA	CATTGTTTCT
27151	ACAACCATAC	CTGCTTCCTC	TGAGATAACA	AGAATTGAGA	TGGAGTCAAC
27201	ATCCACCCTG	ACCCCCACAC	CAAGGGAGAC	CAGCACCTCC	CAGGAGATCC
27251	ACTCAGCCAC	AAAGCCAAGC	ACTGTTCCCTT	ACAAGGCACT	CACTAGTGCC
27301	ACGATTGAGG	ACTCCATGAC	ACAAGTCATG	TCCTCTAGCA	GAGGACCTAG
27351	CCCTGATCAG	TCCACAATGT	CACAAGACAT	ATCCAGTGAA	GTGATCACCA
27401	GGCTCTCTAC	CTCCCCCATC	AAGGCAGAAT	CTACAGAAAT	GACCATTACC
27451	ACCCAAACAG	GTTCTCCTGG	GGCTACATCA	AGGGGTACCC	TTACCTTGGA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

27501	CACTTCAACA	ACTTTTATGT	CAGGGACCCA	CTCAACTGCA	TCTCAAGGAT
27551	TTTCACACTC	ACAGATGACC	GCTCTTATGA	GTAGAACTCC	TGGAGATGTG
27601	CCATGGCTAA	GCCATCCCTC	TGTGGAAGAA	GCCAGCTCTG	CCTCTTTCTC
27651	ACTGTCTTCA	CCTGTCATGA	CCTCATCTTC	TCCCGTTTCT	TCCACATTAC
27701	CAGACAGCAT	CCACTCTTCT	TCGCTTCCTG	TGACATCACT	TCTCACCTCA
27751	GGGCTGGTGA	AGACCACAGA	GCTGTTGGGC	ACAAGCTCAG	AACCTGAAAC
27801	CAGTTCACCC	CCAAATTGTA	GCAGCACCTC	AGCTGAAATA	CTGGCCACCA
27851	CTGAAGTCAC	TACAGATACA	GAGAAACTGG	AGATGACCAA	TGTGGTAACC
27901	TCAGGTTATA	CACATGAATC	TCCTTCCTCT	GTCCTAGCTG	ACTCAGTGAC
27951	AACAAAGGCC	ACATCTTCAA	TGGGTATCAC	CTACCCCA	GGAGATACAA
28001	ATGTTCTCAC	ATCAACCCCT	GCCTTCTCTG	ACACCAGTAG	GATTCAAACA
28051	AAGTCAAAGC	TCTCACTGAC	TCCTGGGTTG	ATGGAGACCA	GCATCTCTGA
28101	AGAGACCAGC	TCTGCCACAG	AAAAAAGCAC	TGTCCTTTCT	AGTGTGCCCA
28151	CTGGTGCTAC	TACTGAGGTC	TCCAGGACAG	AAGCCATCTC	TTCTAGCAGA
28201	ACATCCATCC	CAGGCCCTGC	TCAATCCACA	ATGTCATCAG	ACACCTCCAT
28251	GGAAACCATC	ACTAGAATTT	CTACCCCCCT	CACAAGGAAA	GAATCAACAG
28301	ACATGGCCAT	CACCCCCAAA	ACAGGTCCTT	CTGGGGCTAC	CTCGCAGGGT
28351	ACCTTTACCT	TGGACTCATC	AAGCACAGCC	TCCTGGCCAG	GAACCTCACTC
28401	AGCTACAAC	CAGAGATTTC	CACAGTCAGT	GGTGACAAC	CCTATGAGCA
28451	GAGGTCCTGA	GGATGTGTCA	TGGCCAAGCC	CGCTGTCTGT	GGAAAAAAC
28501	AGCCCTCCAT	CTTCCCTGGT	ATCTTCATCT	TCAGTAACCT	CACCTTCGCC
28551	ACTTTATTCC	ACACCATCTG	GGAGTAGCCA	CTCCTCTCCT	GTCCCTGTCA
28601	CTTCTCTTTT	CACCTCTATC	ATGATGAAGG	CCACAGACAT	GTTGGATGCA
28651	AGTTTGGAAC	CTGAGACCAC	TTCAGCTCCC	AATATGAATA	TCACCTCAGA
28701	TGAGAGTCTG	GCCACTTCTA	AAGCCACCAC	GGAGACAGAG	GCAATTCACG

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

28751	TTTTTGAAAA	TACAGCAGCG	TCCCATGTGG	AAACCACCAG	TGCTACAGAG
28801	GAACTCTATT	CCTCTTCCCC	AGGCTTCTCA	GAGCCAACAA	AAGTGATATC
28851	TCCAGTGGTC	ACCTCTTCCT	CTATAAGAGA	CAACATGGTT	TCCACAACAA
28901	TGCCTGGCTC	CTCTGGCATT	ACAAGGATTG	AGATAGAGTC	AATGTCATCT
28951	CTGACCCCTG	GACTGAGGGA	GACCAGAACC	TCCCAGGACA	TCACCTCATC
29001	CACAGAGACA	AGCACTGTCC	TTTACAAGAT	GTCCTCTGGT	GCCACTCCTG
29051	AGGTCTCCAG	GACAGAAGTT	ATGCCCTCTA	GCAGAACATC	CATTCTGGC
29101	CCTGCTCAGT	CCACAATGTC	ACTAGACATC	TCCGATGAAG	TTGTCACCAG
29151	GCTGTCTACC	TCTCCCATCA	TGACAGAATC	TGCAGAAATA	ACCATCACCA
29201	CCCAAACAGG	TTATTCTCTG	GCTACATCCC	AGGTTACCCT	TCCCTTGGGC
29251	ACCTCAATGA	CCTTTTTGTC	AGGGACCCAC	TCAACTATGT	CTCAAGGACT
29301	TTCACACTCA	GAGATGACCA	ATCTTATGAG	CAGGGGTCCT	GAAAGTCTGT
29351	CATGGACGAG	CCCTCGCTTT	GTGGAAACAA	CTAGATCTTC	CTCTTCTCTG
29401	ACATCATTAC	CTCTCACGAC	CTCACTTTCT	CCTGTGTCCT	CCACATTACT
29451	AGACAGTAGC	CCCTCCTCTC	CTCTTCCTGT	GACTTCACTT	ATCCTCCCAG
29501	GCCTGGTGAA	GACTACAGAA	GTGTTGGATA	CAAGCTCAGA	GCCTAAAACC
29551	AGTTCATCTC	CAAATTTGAG	CAGCACCTCA	GTTGAAATAC	CGGCCACCTC
29601	TGAAATCATG	ACAGATACAG	AGAAAATTCA	TCCTTCCTCA	AACACAGCGG
29651	TGGCCAAAGT	GAGGACCTCC	AGTTCTGTTC	ATGAATCTCA	TTCTCTGTC
29701	CTAGCTGACT	CAGAAACAAC	CATAACCATA	CCTTCAATGG	GTATCACCTC
29751	CGCTGTGGAC	GATACCACTG	TTTTCACATC	AAATCCTGCC	TTCTCTGAGA
29801	CTAGGAGGAT	TCCGACAGAG	CCAACATTCT	CATTGACTCC	TGGATTTCAGG
29851	GAGACTAGCA	CCTCTGAAGA	GACCACCTCA	ATCACAGAAA	CAAGTGCAGT
29901	CCTTTATGGA	GTGCCCCACTA	GTGCTACTAC	TGAAGTCTCC	ATGACAGAAA
29951	TCATGTCCTC	TAATAGAACA	CACATCCCTG	ACTCTGATCA	GTCCACGATG

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

30001	TCTCCAGACA	TCATCACTGA	AGTGATCACC	AGGCTCTCTT	CCTCATCCAT
30051	GATGTCAGAA	TCAACACAAA	TGACCATCAC	CACCCAAAAA	AGTTCTCCTG
30101	GGGCTACAGC	ACAGAGTACT	CTTACCTTGG	CCACAACAAC	AGCCCCCTTG
30151	GCAAGGACCC	ACTCAACTGT	TCCTCCTAGA	TTTTTACACT	CAGAGATGAC
30201	AACTCTTATG	AGTAGGAGTC	CTGAAAATCC	ATCATGGAAG	AGCTCTCCCT
30251	TTGTGGAAAA	AACTAGCTCT	TCATCTTCTC	TGTTGTCCTT	ACCTGTCACG
30301	ACCTCACCTT	CTGTTTCTTC	CACATTACCG	CAGAGTATCC	CTTCCTCCTC
30351	TTTTTCTGTG	ACTTCACTCC	TCACCCCAGG	CATGGTGAAG	ACTACAGACA
30401	CAAGCACAGA	ACCTGGAACC	AGTTTATCTC	CAAATCTGAG	TGGCACCTCA
30451	GTTGAAATAC	TGGCTGCCTC	TGAAGTCACC	ACAGATACAG	AGAAAATTCA
30501	TCCTTCTTCA	AGCATGGCAG	TGACCAATGT	GGGAACCACC	AGTTCTGGAC
30551	ATGAACTATA	TTCCTCTGTT	TCAATCCACT	CGGAGCCATC	CAAGGCTACA
30601	TACCCAGTGG	GTA CTCCCTC	TTCCATGGCT	GAAACCTCTA	TTCCACATC
30651	AATGCCTGCT	AATTTTGAGA	CCACAGGATT	TGAGGCTGAG	CCATTTTCTC
30701	ATTTGACTTC	TGGATTTAGG	AAGACAAACA	TGTCCCTGGA	CACCAGCTCA
30751	GTCACACCAA	CAAATACACC	TTCTTCTCCT	GGGTCCACTC	ACCTTTTACA
30801	GAGTTCCAAG	ACTGATTTCA	CCTCTTCTGC	AAAAACATCA	TCCCCAGACT
30851	GGCCTCCAGC	CTCACAGTAT	ACTGAAATTC	CAGTGGACAT	AATCACCCCC
30901	TTTAATGCTT	CTCCATCTAT	TACGGAGTCC	ACTGGGATAA	CCTCCTTCCC
30951	AGAATCCAGG	TTTACTATGT	CTGTAACAGA	AAGTACTCAT	CATCTGAGTA
31001	CAGATTTGCT	GCCTTCAGCT	GAGACTATTT	CCACTGGCAC	AGTGATGCCT
31051	TCTCTATCAG	AGGCCATGAC	TTCATTTGCC	ACCACTGGAG	TTCCACGAGC
31101	CATCTCAGGT	TCAGGTAGTC	CATTCTCTAG	GACAGAGTCA	GGCCCTGGGG
31151	ATGCTACTCT	GTCCACCATT	GCAGAGAGCC	TGCCTTCATC	CACTCCTGTG
31201	CCATTCTCCT	CTTCAACCTT	CACTACCACT	GATTCTTCAA	CCATCCCAGC

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

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31251 CCTCCATGAG ATAACCTCCT CTTCAGCTAC CCCATATAGA GTGGACACCA
31301 GTCTTGGGAC AGAGAGCAGC ACTACTGAAG GACGCTTGGT TATGGTCAGT
31351 ACTTTGGACA CTTCAAGCCA ACCAGGCAGG ACATCTTCAA CACCCATTTT
31401 GGATACCAGA ATGACAGAGA GCGTTGAGCT GGGAACAGTG ACAAGTGCTT
31451 ATCAAGTTCC TTTACTCTCA ACACGGTTGA CAAGAACTGA TGGCATTATG
31501 GAACACATCA CAAAATACC CAATGAAGCA GCACACAGAG GTACCATAAG
31551 ACCAGTCAAA GGCCCTCAGA CATCCACTTC GCCTGCCAGT CCTAAAGGAC
31601 TACACACAGG AGGGACAAAA AGAATGGAGA CCACCACCAC AGCTTTGAAG
31651 ACCACCACCA CAGCTTTGAA GACCACTTCC AGAGCCACCT TGACCACCAG
31701 TGTCTATACT CCCACTTTGG GAACACTGAC TCCCCTCAAT GCATCAAGGC
31751 AAATGGCCAG CACAATCCTC ACAGAAATGA TGATCACAAC CCCATATGTT
31801 TTCCCTGATG TTCCAGAAAC GACATCCTCA TTGGCTACCA GCCTGGGAGC
31851 AGAAACCAGC ACAGCTCTTC CCAGGACAAC CCCATCTGTT CTCAATAGAG
31901 AATCAGAGAC CACAGCCTCA CTGGTCTCTC GTTCTGGGGC AGAGAGAAGT
31951 CCGGTTATTC AAACCTCTAGA TGTTTCTTCT AGTGAGCCAG ATACAACAGC
32001 TTCATGGGTT ATCCATCCTG CAGAGACCAT CCCAACTGTT TCCAAGACAA
32051 CCCCCAATTT TTTCCACAGT GAATTAGACA CTGTATCTTC CACAGCCACC
32101 AGTCATGGGG CAGACGTCAG CTCAGCCATT CCAACAAATA TCTCACCTAG
32151 TGAAC TAGAT GCACTGACCC CACTGGTCAC TATTTCTGGG ACAGATACTA
32201 GTACAACATT CCCAACACTG ACTAAGTCCC CACATGAAAC AGAGACAAGA
32251 ACCACATGGC TCACTCATCC TGCAGAGACC AGCTCAACTA TTCCCAGAAC
32301 AATCCCCAAT TTTTCTCATC ATGAATCAGA TGCCACACCT TCAATAGCCA
32351 CCAGTCCTGG GGCAGAAACC AGTTCAGCTA TTCCAATTAT GACTGTCTCA
32401 CCTGGTGCAG AAGATCTGGT GACCTCACAG GTCAGTAGTT CTGGGACAGA
32451 CAGAAATATG ACTATTCCAA CTTTGACTCT TTCTCCTGGT GAACCAAAGA

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Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

32501	CGATAGCCTC	ATTAGTCACC	CATCCTGAAG	CACAGACAAG	TTCGGCCATT
32551	CCAACTTCAA	CTATCTCGCC	TGCTGTATCA	CGGTGGTGA	CCTCAATGGT
32601	CACCAGTTTG	GCGGCAAAGA	CAAGTACAAC	TAATCGAGCT	CTGACAAACT
32651	CCCCTGGTGA	ACCAGCTACA	ACAGTTTCAT	TGGTCACGCA	TCCTGCACAG
32701	ACCAGCCCAA	CAGTTCCCTG	GACAACTTCC	ATTTTTTTTCC	ATAGTAAATC
32751	AGACACCACA	CCTTCAATGA	CCACCAGTCA	TGGGGCAGAA	TCCAGTTCAG
32801	CTGTTCCAAC	TCCAAGTGT	TCAACTGAGG	TACCAGGAGT	AGTGACCCCT
32851	TTGGTCACCA	GTTCTAGGGC	AGTGATCAGT	ACAACTATTC	CAATTCTGAC
32901	TCTTTCTCCT	GGTGAACCAG	AGACCACACC	TTCAATGGCC	ACCAGTCATG
32951	GGGAAGAAGC	CAGTTCTGCT	ATTCCAAGTC	CAACTGTTTC	ACCTGGGGTA
33001	CCAGGAGTGG	TGACCTCTCT	GGTCACTAGT	TCTAGGGCAG	TGACTAGTAC
33051	AACTATTCCA	ATTCTGACTT	TTTCTCTTGG	TGAACCAGAG	ACCACACCTT
33101	CAATGGCCAC	CAGTCATGGG	ACAGAAGCTG	GCTCAGCTGT	TCCAAGTGT
33151	TTACCTGAGG	TACCAGGAAT	GGTGACCTCT	CTGGTTGCTA	GTTCTAGGGC
33201	AGTAACCAGT	ACAACTCTTC	CAACTCTGAC	TCTTTCTCCT	GGTGAACCAG
33251	AGACCACACC	TTCAATGGCC	ACCAGTCATG	GGGCAGAAGC	CAGCTCAACT
33301	GTTCCAAGTC	TTTCACCTGA	GGTACCAGGA	GTGGTGACCT	CTCTGGTCAC
33351	TAGTTCTAGT	GGAGTAAACA	GTACAAGTAT	TCCAAGTCTG	ATTCTTTCTC
33401	CTGGTGAACT	AGAAACCACA	CCTTCAATGG	CCACCAGTCA	TGGGGCAGAA
33451	GCCAGCTCAG	CTGTTCCAAC	TCCAAGTGT	TCACCTGGGG	TATCAGGAGT
33501	GGTGACCCCT	CTGGTCACTA	GTTCCAGGGC	AGTGACCAGT	ACAACTATTC
33551	CAATTCTAAC	TCTTTCTTCT	AGTGAGCCAG	AGACCACACC	TTCAATGGCC
33601	ACCAGTCATG	GGGTAGAAGC	CAGCTCAGCT	GTTCTAACTG	TTTCACCTGA
33651	GGTACCAGGA	ATGGTGACCT	CTCTGGTCAC	TAGTTCTAGA	GCAGTAACCA
33701	GTACAACTAT	TCCAAGTCTG	ACTATTTCTT	CTGATGAACC	AGAGACCACA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

33751	ACTTCATTGG	TCACCCATTC	TGAGGCAAAG	ATGATTTCAG	CCATTCCAAC
33801	TTTAGCTGTC	TCCCCTACTG	TACAAGGGCT	GGTGACTTCA	CTGGTCACTA
33851	GTTCTGGGTC	AGAGACCAGT	GCGTTTTCAA	ATCTAACTGT	TGCCTCAAGT
33901	CAACCAGAGA	CCATAGACTC	ATGGGTCGCT	CATCCTGGGA	CAGAAGCAAG
33951	TTCTGTTGTT	CCAACTTTGA	CTGTCTCCAC	TGGTGAGCCG	TTTACAAATA
34001	TCTCATTGGT	CACCCATCCT	GCAGAGAGTA	GCTCAACTCT	TCCCAGGACA
34051	ACCTCAAGGT	TTTCCCACAG	TGAATTAGAC	ACTATGCCTT	CTACAGTCAC
34101	CAGTCCTGAG	GCAGAATCCA	GCTCAGCCAT	TTCAACTACT	ATTTACCTG
34151	GTATACCAGG	TGTGCTGACA	TCACTGGTCA	CTAGCTCTGG	GAGAGACATC
34201	AGTGCAACTT	TTCCAACAGT	GCCTGAGTCC	CCACATGAAT	CAGAGGCAAC
34251	AGCCTCATGG	GTTACTCATC	CTGCAGTCAC	CAGCACAACA	GTTCCCAGGA
34301	CAACCCCTAA	TTATTCTCAT	AGTGAACCAG	ACACCACACC	ATCAATAGCC
34351	ACCAGTCCTG	GGGCAGAAGC	CACTTCAGAT	TTTCCAACAA	TAACTGTCTC
34401	ACCTGATGTA	CCAGATATGG	TAACCTCACA	GGTCACTAGT	TCTGGGACAG
34451	ACACCAGTAT	AACTATTCCA	ACTCTGACTC	TTTCTTCTGG	TGAGCCAGAG
34501	ACCACAACCT	CATTTATCAC	CTATTCTGAG	ACACACACAA	G TTCAGCCAT
34551	TCCA ACTCTC	CCTGTCTCCC	CTGGTGCATC	AAAGATGCTG	ACCTCACTGG
34601	TCATCAGTTC	TGGGACAGAC	AGCACTACAA	CTTTCCCAAC	ACTGACGGAG
34651	ACCCCATATG	AACCAGAGAC	AACAGCCATA	CAGCTCATTC	ATCCTGCAGA
34701	GACCAACACA	ATGGTTCCCA	AGACAACTCC	CAAGTTTTC	CATAGTAAGT
34751	CAGACACCAC	ACTCCAGTA	GCCATCACCA	GTCCTGGGCC	AGAAGCCAGT
34801	TCAGCTGTTT	CAACGACAAC	TATCTCACCT	GATATGTCAG	ATCTGGTGAC
34851	CTCACTGGTC	CCTAGTTCTG	GGACAGACAC	CAGTACAACC	TTCCCAACAT
34901	TGAGTGAGAC	CCCATATGAA	CCAGAGACTA	CAGTCACGTG	GCTCACTCAT
34951	CCTGCAGAAA	CCAGCACAAC	GGTTTCTGGG	ACAATTCCCA	ACTTTTCCCA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

35001	TAGGGGATCA	GACACTGCAC	CCTCAATGGT	CACCAGTCCT	GGAGTAGACA
35051	CGAGGTCAGG	TGTTCCAAC	ACAACCATCC	CACCCAGTAT	ACCAGGGGTA
35101	GTGACCTCAC	AGGTCAC	TTCTGCAACA	GACACTAGTA	CAGCTATTCC
35151	AACTTTGACT	CCTTCTCCTG	GTGAACCAGA	GACCACAGCC	TCATCAGCTA
35201	CCCATCCTGG	GACACAGACT	GGCTTCACTG	TTCCAATTCTG	GACTGTTCCC
35251	TCTAGTGAGC	CAGATACAAT	GGCTTCCTGG	GTCATCATC	CTCCACAGAC
35301	CAGCACACCT	GTTTCCAGAA	CAACCTCCAG	TTTTTCCCAT	AGTAGTCCAG
35351	ATGCCACACC	TGTAATGGCC	ACCAGTCCTA	GGACAGAAGC	CAGTTCAGCT
35401	GTACTGACAA	CAATCTCACC	TGGTGCACCA	GAGATGGTGA	CTTCACAGAT
35451	CACTAGTTCT	GGGGCAGCAA	CCAGTACAAC	TGTTCCAAC	TTGACTCATT
35501	CTCCTGGTAT	GCCAGAGACC	ACAGCCTTAT	TGAGCACCCA	TCCCAGAACA
35551	GGGACAAGTA	AAACATTTCC	TGCTTCAACT	GTGTTTCCTC	AAGTATCAGA
35601	GACCACAGCC	TCACTCACCA	TTAGACCTGG	TGCAGAGACT	AGCACAGCTC
35651	TCCCAACTCA	GACAACATCC	TCTCTCTTCA	CCCTACTTGT	AACTGGAACC
35701	AGCAGAGTTG	ATCTAAGTCC	AACTGCTTCA	CCTGGTGTTT	CTGCAAAAAC
35751	AGCCCCACTT	TCCACCCATC	CAGGGACAGA	GACCAGCACA	ATGATTCCAA
35801	CTTCAACTCT	TTCCCTTGGT	TTACTAGAGA	CTACAGGCTT	ACTGGCCACC
35851	AGCTCTTCAG	CAGAGACCAG	CACGAGTACT	CTAACTCTGA	CTGTTTCCCC
35901	TGCTGTCTCT	GGGCTTTCCA	GTGCCTCTAT	AACAAC	TGAT AAGCCCCAAA
35951	CTGTGACCTC	CTGGAACACA	GAAACCTCAC	CATCTGTAAC	TTCAGTTGGA
36001	CCCCCAGAAT	TTTCCAGGAC	TGTCACAGGC	ACCACTATGA	CCTTGATACC
36051	ATCAGAGATG	CCAACACCAC	CTAAAACCAG	TCATGGAGAA	GGAGTGAGTC
36101	CAACCACTAT	CTTGAGAACT	ACAATGGTTG	AAGCCACTAA	TTTAGCTACC
36151	ACAGGTTCCA	GTCCCACTGT	GGCCAAGACA	ACAACCACCT	TCAATACACT
36201	GGCTGGAAGC	CTCTTTACTC	CTCTGACCAC	ACCTGGGATG	TCCACCTTGG

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

36251	CCTCTGAGAG	TGTGACCTCA	AGAACAAGTT	ATAACCATCG	GTCCTGGATC
36301	TCCACCACCA	GCAGTTATAA	CCGTCGGTAC	TGGACCCCTG	CCACCAGCAC
36351	TCCAGTGACT	TCTACATTCT	CCCCAGGGAT	TTCCACATCC	TCCATCCCCA
36401	GCTCCACAGC	AGCCACAGTC	CCATTCATGG	TGCCATTAC	CCTCAACTTC
36451	ACCATCACCA	ACCTGCAGTA	CGAGGAGGAC	ATGCGGCACC	CTGGTTCCAG
36501	GAAGTTCAAC	GCCACAGAGA	GAGAACTGCA	GGGTCTGCTC	AAACCCTTGT
36551	TCAGGAATAG	CAGTCTGGAA	TACCTCTATT	CAGGCTGCAG	ACTAGCCTCA
36601	CTCAGGCCAG	AGAAGGATAG	CTCAGCCATG	GCAGTGGATG	CCATCTGCAC
36651	ACATCGCCCT	GACCCTGAAG	ACCTCGGACT	GGACAGAGAG	CGACTGTACT
36701	GGGAGCTGAG	CAATCTGACA	AATGGCATCC	AGGAGCTGGG	CCCCTACACC
36751	CTGGACCGGA	ACAGTCTCTA	TGTCAATGGT	TTCACCCATC	GAAGCTCTAT
36801	GCCCACCACC	AGCACTCCTG	GGACCTCCAC	AGTGGATGTG	GGAACCTCAG
36851	GGACTCCATC	CTCCAGCCCC	AGCCCCACGG	CTGCTGGCCC	TCTCCTGATG
36901	CCGTTACCCC	TCAACTTCAC	CATCACCAAC	CTGCAGTACG	AGGAGGACAT
36951	GCGTCGCACT	GGCTCCAGGA	AGTTCAACAC	CATGGAGAGT	GTCCTGCAGG
37001	GTCTGCTCAA	GCCCTTGTTT	AAGAACACCA	GTGTTGGCCC	TCTGTACTCT
37051	GGCTGCAGAT	TGACCTTGCT	CAGGCCCCGAG	AAAGATGGGG	CAGCCACTGG
37101	AGTGGATGCC	ATCTGCACCC	ACCGCCTTGA	CCCCAAAAGC	CCTGGACTCA
37151	ACAGGGAGCA	GCTGTACTGG	GAGCTAAGCA	AACTGACCAA	TGACATTGAA
37201	GAGCTGGGCC	CCTACACCCT	GGACAGGAAC	AGTCTCTATG	TCAATGGTTT
37251	CACCCATCAG	AGCTCTGTGT	CCACCACCAG	CACTCCTGGG	ACCTCCACAG
37301	TGGATCTCAG	AACCTCAGGG	ACTCCATCCT	CCCTCTCCAG	CCCCACAATT
37351	ATGGCTGCTG	GCCCTCTCCT	GGTACCATTG	ACCCTCAACT	TCACCATCAC
37401	CAACCTGCAG	TATGGGGAGG	ACATGGGTCA	CCCTGGCTCC	AGGAAGTTCA
37451	ACACCACAGA	GAGGGTCCTG	CAGGGTCTGC	TTGGTCCCAT	ATTCAAGAAC

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

37501	ACCAGTGTTG	GCCCTCTGTA	CTCTGGCTGC	AGACTGACCT	CTCTCAGGTC
37551	TGAGAAGGAT	GGAGCAGCCA	CTGGAGTGGA	TGCCATCTGC	ATCCATCATC
37601	TTGACCCCAA	AAGCCCTGGA	CTCAACAGAG	AGCGGCTGTA	CTGGGAGCTG
37651	AGCCAACTGA	CCAATGGCAT	CAAAGAGCTG	GGCCCCTACA	CCCTGGACAG
37701	GAACAGTCTC	TATGTCAATG	GTTTCACCCA	TCGGACCTCT	GTGCCCACCA
37751	CCAGCACTCC	TGGGACCTCC	ACAGTGGACC	TTGGAACCTC	AGGGACTCCA
37801	TTCTCCCTCC	CAAGCCCCGC	AACTGCTGGC	CCTCTCCTGG	TGCTGTTTAC
37851	CCTCAACTTC	ACCATCACCA	ACCTGAAGTA	TGAGGAGGAC	ATGCATCGCC
37901	CTGGCTCCAG	GAAGTTCAAC	ACCACTGAGA	GGGTCCTGCA	GACTCTGCTT
37951	GGTCCTATGT	TCAAGAACAC	CAGTGTTGGC	CTTCTGTACT	CTGGCTGCAG
38001	ACTGACCTTG	CTCAGGTCCG	AGAAGGATGG	AGCAGCCACT	GGAGTGGATG
38051	CCATCTGCAC	CCACCGTCTT	GACCCCCAAA	GCCCTGGACT	GGACAGAGAG
38101	CAGCTATACT	GGGAGCTGAG	CCAGCTGACC	AATGGCATCA	AAGAGCTGGG
38151	CCCCTACACC	CTGGACAGGA	ACAGTCTCTA	TGTCAATGGT	TTCACCCATT
38201	GGATCCCTGT	GCCCACCAGC	AGCACTCCTG	GGACCTCCAC	AGTGGACCTT
38251	GGGTCAGGGA	CTCCATCCTC	CCTCCCCAGC	CCCACAGCTG	CTGGCCCTCT
38301	CCTGGTGCCA	TTCACCTCA	ACTTCACCAT	CACCAACCTG	CAGTACGAGG
38351	AGGACATGCA	TCACCCAGGC	TCCAGGAAGT	TCAACACCAC	GGAGCGGGTC
38401	CTGCAGGGTC	TGCTTGGTCC	CATGTTCAAG	AACACCAGTG	TCGGCCTTCT
38451	GTACTCTGGC	TGCAGACTGA	CCTTGCTCAG	GTCCGAGAAG	GATGGAGCAG
38501	CCACTGGAGT	GGATGCCATC	TGCACCCACC	GTCTTGACCC	CAAAAGCCCT
38551	GGAGTGGACA	GGGAGCAGCT	ATACTGGGAG	CTGAGCCAGC	TGACCAATGG
38601	CATCAAAGAG	CTGGGTCCCT	ACACCCTGGA	CAGAAACAGT	CTCTATGTCA
38651	ATGGTTTTAC	CCATCAGACC	TCTGCGCCCA	ACACCAGCAC	TCCTGGGACC
38701	TCCACAGTGG	ACCTTGGGAC	CTCAGGGACT	CCATCCTCCC	TCCCCAGCCC

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

38751	TACATCNGCT	GGCCCTCTCC	TGGTNCNTT	CACCCTCAAC	TTCACCATCA
38801	CCAACCTGCA	GTACGAGGAG	GACATGCGGC	ACCCNNGGNTC	CAGGAAGTTC
38851	AACACCACNG	AGAGGGTNCT	GCAGGGTCTG	CTNAAGCCCC	TNTTCAAGAG
38901	CACCAGTGTT	GGCCCTCTGT	ACTCTGGCTG	CAGACTGACC	TTGCTCAGGT
38951	CCGAGAAGGA	TGGAGCAGCC	ACTGGAGTGG	ATGCCATCTG	CACCCACCGT
39001	CTTGACCCCA	AAAGCCCTGG	AGTGGACAGG	GAGCAGCTAT	ACTGGGAGCT
39051	GAGCCAGCTG	ACCAATGGCA	TCAAAGAGCT	GGGTCCCTAC	ACCCTGGACA
39101	GAAACAGTCT	CTATGTCAAT	GGTTTCACCC	ATCAGACCTC	TGCGCCCAAC
39151	ACCAGCACTC	CTGGGACCTC	CACAGTGGAC	CTTGGGACCT	CAGGGACTCC
39201	ATCCTCCCTC	CCCAGCCCTA	CATCTGCTGG	CCCTCTCCTG	GTGCCATTCA
39251	CCCTCAACTT	CACCATCACC	AACCTGCAGT	ACGAGGAGGA	CATGCATCAC
39301	CCAGGCTCCA	GGAAGTTCAA	CACCACGGAG	CGGGTCCTGC	AGGGTCTGCT
39351	TGGTCCCATG	TTCAAGAACA	CCAGTGTCGG	CCTTCTGTAC	TCTGGCTGCA
39401	GA CTGACCTT	GCTCAGGCCT	GAGAAGAATG	GGGCAGCCAC	TGGAATGGAT
39451	GCCATCTGCA	GCCACCGTCT	TGACCCCAAA	AGCCCTGGAC	TCAACAGAGA
39501	GCAGCTGTAC	TGGGAGCTGA	GCCAGCTGAC	CCATGGCATC	AAAGAGCTGG
39551	GCCCCTACAC	CCTGGACAGG	AACAGTCTCT	ATGTCAATGG	TTTCACCCAT
39601	CGGAGCTCTG	TGGCCCCCAC	CAGCACTCCT	GGGACCTCCA	CAGTGGACCT
39651	TGGGACCTCA	GGGACTCCAT	CCTCCCTCCC	CAGCCCCACA	ACAGCTGTTC
39701	CTCTCCTGGT	GCCGTTCAAC	CTCAACTTTA	CCATCACCAA	TCTGCAGTAT
39751	GGGGAGGACA	TGCGTCACCC	TGGCTCCAGG	AAGTTCAACA	CCACAGAGAG
39801	GGTCCTGCAG	GGTCTGCTTG	GTCCCTTGTT	CAAGAACTCC	AGTGTCGGCC
39851	CTCTGTACTC	TGGCTGCAGA	CTGATCTCTC	TCAGGTCTGA	GAAGGATGGG
39901	GCAGCCACTG	GAGTGGATGC	CATCTGCACC	CACCACCTTA	ACCCTCAAAG
39951	CCCTGGACTG	GACAGGGAGC	AGCTGTACTG	GCAGCTGAGC	CAGATGACCA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

40001	ATGGCATCAA	AGAGCTGGGC	CCCTACACCC	TGGACCGGAA	CAGTCTCTAC
40051	GTCAATGGTT	TCACCCATCG	GAGCTCTGGG	CTCACCACCA	GCACTCCTTG
40101	GACTTCCACA	GTTGACCTTG	GAACCTCAGG	GACTCCATCC	CCCGTCCCCA
40151	GCCCCACAAC	TGCTGGCCCT	CTCCTGGTGC	CATTACCCCT	CAACTTCACC
40201	ATCACCAACC	TGCAGTATGA	GGAGGACATG	CATCGCCCTG	GATCTAGGAA
40251	GTTCAACACC	ACAGAGAGGG	TCCTGCAGGG	TCTGCTTAGT	CCCATTTTCA
40301	AGAACTCCAG	TGTTGGCCCT	CTGTACTCTG	GCTGCAGACT	GACCTCTCTC
40351	AGGCCCCGAGA	AGGATGGGGC	AGCAACTGGA	ATGGATGCTG	TCTGCCTCTA
40401	CCACCCTAAT	CCCAAAAGAC	CTGGACTGGA	CAGAGAGCAG	CTGTACTGGG
40451	AGCTAAGCCA	GCTGACCCAC	AACATCACTG	AGCTGGGCCC	CTACAGCCTG
40501	GACAGGGACA	GTCTCTATGT	CAATGGTTTC	ACCCATCAGA	ACTCTGTGCC
40551	CACCACCAGT	ACTCCTGGGA	CCTCCACAGT	GTACTGGGCA	ACCACTGGGA
40601	CTCCATCCTC	CTTCCCCGGC	CACACAGAGC	CTGGCCCTCT	CCTGATACCA
40651	TTCACTTTCA	ACTTTACCAT	CACCAACCTG	CATTATGAGG	AAAACATGCA
40701	ACACCCTGGT	TCCAGGAAGT	TCAACACCAC	GGAGAGGGTT	CTGCAGGGTC
40751	TGCTCAAGCC	CTTGTTCAAG	AACACCAGTG	TTGGCCCTCT	GTACTCTGGC
40801	TGCAGACTGA	CCTCTCTCAG	GCCCGAGAAG	GATGGGGCAG	CAACTGGAAT
40851	GGATGCTGTC	TGCCTCTACC	ACCCTAATCC	CAAAAGACCT	GGGCTGGACA
40901	GAGAGCAGCT	GTACTGGGAG	CTAAGCCAGC	TGACCCACAA	CATCACTGAG
40951	CTGGGCCCCT	ACAGCCTGGA	CAGGGACAGT	CTCTATGTCA	ATGGTTTCAC
41001	CCATCAGAAC	TCTGTGCCCA	CCACCAGTAC	TCCTGGGACC	TCCACAGTGT
41051	ACTGGGCAAC	CACTGGGACT	CCATCCTCCT	TCCCCGGCCA	CACAGAGCCT
41101	GGCCCTCTCC	TGATAACATT	CACTTTCAAC	TTTACCATCA	CCAACCTGCA
41151	TTATGAGGAA	AACATGCAAC	ACCCTGGTTC	CAGGAAGTTC	AACACCACGG
41201	AGAGGGTTCT	GCAGGGTCTG	CTCAAGCCCT	TGTTCAAGAA	CACCAGTGTT

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

41251	GGCCCTCTGT	ACTCTGGCTG	CAGACTGACC	TTGCTCAGAC	CTGAGAAGCA
41301	TGAGGCAGCC	ACTGGAGTGG	ACACCATCTG	TACCCACCGC	GTTGATCCCA
41351	TCGGACCTGG	ACTGGACAGG	GAGCGGCTAT	ACTGGGAGCT	GAGCCAGCTG
41401	ACCAACAGCA	TTACCGAACT	GGGACCCTAC	ACCCTGGACA	GGGACAGTCT
41451	CTATGTCAAT	GGCTTCAACC	CTCGGAGCTC	TGTGCCAACC	ACCAGCACTC
41501	CTGGGACCTC	CACAGTGCAC	CTGGCAACCT	CTGGGACTCC	ATCCTCCCTG
41551	CCTGGCCACA	CAGCCCCTGT	CCCTCTCTTG	ATACCATTCA	CCCTCAACTT
41601	TACCATCACC	AACCTGCATT	ATGAGGAAAA	CATGCAACAC	CCTGGTTCCA
41651	GGAAGTTCAA	CACCACGGAG	AGGGTTCTGC	AGGGTCTGCT	CAAGCCCTTG
41701	TTCAAGAACA	CCAGTGTGG	CCCTCTGTAC	TCTGGCTGCA	GA CTGACCTT
41751	GCTCAGACCT	GAGAAGCATG	AGGCAGCCAC	TGGAGTGGAC	ACCATCTGTA
41801	CCCACCGCGT	TGATCCCATC	GGACCTGGAC	TGNACAGNGA	GCNGCTNTAC
41851	TGGGAGCTNA	GCCANCTGAC	CAANNNCATC	NNNGAGCTGG	GNCCCTACAC
41901	CCTGGACAGG	NACAGTCTCT	ATGTCAATGG	TTTCACCCAT	CNGANCTCTG
41951	NGCCCACCAC	CAGCACTCCT	GGGACCTCCA	CAGTGNACNT	NGGNACCTCN
42001	GGGACTCCAT	CCTCCNTCCC	CNGCCNCACA	TCTGCTGGCC	CTCTCCTGGT
42051	GCCATTACAC	CTCAACTTCA	CCATCACCAA	CCTGCAGTAC	GAGGAGGACA
42101	TGCATCACCC	AGGCTCCAGG	AAGTTCAACA	CCACGGAGCG	GGTCCTGCAG
42151	GGTCTGCTTG	GTCCCATGTT	CAAGAACACC	AGTGTGCGCC	TTCTGTACTC
42201	TGGCTGCAGA	CTGACCTTGC	TCAGGCCTGA	GAAGAATGGG	GCAGCCACTG
42251	GAATGGATGC	CATCTGCAGC	CACCGTCTTG	ACCCCAAAG	CCCTGGACTC
42301	GACAGAGAGC	AGCTGTACTG	GGAGCTGAGC	CAGCTGACCC	ATGGCATCAA
42351	AGAGCTGGGC	CCCTACACCC	TGGACAGGAA	CAGTCTCTAT	GTCAATGGTT
42401	TCACCCATCG	GAGCTCTGTG	GCCCCACCA	GCACTCCTGG	GACCTCCACA
42451	GTGGACCTTG	GGACCTCAGG	GACTCCATCC	TCCCTCCCCA	GCCCCACAAC

Table 4 (continued)

**Human cDNA of CA125
(SEQ ID NO: 4)**

42501	AGCTGTTCCCT	CTCCTGGTGC	CGTTCACCCT	CAACTTTACC	ATCACCAATC
42551	TGCAGTATGG	GGAGGACATG	CGTCACCCTG	GCTCCAGGAA	GTTCAACACC
42601	ACAGAGAGGG	TCCTGCAGGG	TCTGCTTGGT	CCCTTGTTCA	AGAACTCCAG
42651	TGTCGGCCCT	CTGTACTCTG	GCTGCAGACT	GATCTCTCTC	AGGTCTGAGA
42701	AGGATGGGGC	AGCCACTGGA	GTGGATGCCA	TCTGCACCCA	CCACCTTAAC
42751	CCTCAAAGCC	CTGGACTGGA	CAGGGAGCAG	CTGTACTGGC	AGCTGAGCCA
42801	GATGACCAAT	GGCATCAAAG	AGCTGGGCCC	CTACACCCTG	GACCGGAACA
42851	GTCTCTACGT	CAATGGTTTC	ACCCATCGGA	GCTCTGGGCT	CACCACCAGC
42901	ACTCCTTGGA	CTTCCACAGT	TGACCTTGGA	ACCTCAGGGA	CTCCATCCCC
42951	CGTCCCCAGC	CCCACAACTG	CTGGCCCTCT	CCTGGTGCCA	TTCACCCTAA
43001	ACTTCACCAT	CACCAACCTG	CAGTATGAGG	AGGACATGCA	TCGCCCTGGA
43051	TCTAGGAAGT	TCAACGCCAC	AGAGAGGGTC	CTGCAGGGTC	TGCTTAGTCC
43101	CATATTCAAG	AACTCCAGTG	TTGGCCCTCT	GTACTCTGGC	TGCAGACTGA
43151	CCTCTCTCAG	GCCCGAGAAG	GATGGGGCAG	CAACTGGAAT	GGATGCTGTC
43201	TGCCTCTACC	ACCCTAATCC	CAAAAGACCT	GGA CTGGACA	GAGAGCAGCT
43251	GTACTGGGAG	CTAAGCCAGC	TGACCCACAA	CATCACTGAG	CTGGGCCCCT
43301	ACAGCCTGGA	CAGGGACAGT	CTCTATGTCA	ATGGTTTCAC	CCATCAGAGC
43351	TCTATGACGA	CCACCAGAAC	TCCTGATACC	TCCACAATGC	ACCTGGCAAC
43401	CTCGAGAACT	CCAGCCTCCC	TGTCTGGACC	TACGACCGCC	AGCCCTCTCC
43451	TGGTGCTATT	CACAATCAAC	TGCACCATCA	CCAACCTGCA	GTACGAGGAG
43501	GACATGCGTC	GCACTGGCTC	CAGGAAGTTC	AACACCATGG	AGAGTGTCCT
43551	GCAGGGTCTG	CTCAAGCCCT	TGTTCAAGAA	CACCAGTGTT	GGCCCTCTGT
43601	ACTCTGGCTG	CAGATTGACC	TTGCTCAGGC	CCAAGAAAGA	TGGGGCAGCC
43651	ACTGGAGTGG	ATGCCATCTG	CACCCACCGC	CTTGACCCCA	AAAGCCCTGG
43701	ACTCAACAGG	GAGCAGCTGT	ACTGGGAGCT	AAGCAAACCTG	ACCAATGACA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

43751	TTGAAGAGCT	GGGCCCCCTAC	ACCCTGGACA	GGAACAGTCT	CTATGTCAAT
43801	GGTTTCACCC	ATCAGAGCTC	TGTGTCCACC	ACCAGCACTC	CTGGGACCTC
43851	CACAGTGGAT	CTCAGAACCT	CAGGGACTCC	ATCCTCCCTC	TCCAGCCCCA
43901	CAATTATGNC	NNCTGNCCCCT	CTCCTGNTNC	CNTTCACCNT	CAACTTNACC
43951	ATCACCAACC	TGCANTANGN	GGANNACATG	CNNCNCNCNG	GNTCCAGGAA
44001	GTTCAACACC	ACNGAGAGGG	TCCTACAGGG	TCTGCTCAGG	CCCTTGTTCA
44051	AGAACACCAG	TGTCAGCTCT	CTGTACTCTG	GTTGCAGACT	GACCTTGCTC
44101	AGGCCTGAGA	AGGATGGGGC	AGCCACCAGA	GTGGATGCTG	CCTGCACCTA
44151	CCGCCCTGAT	CCCAAAAGCC	CTGGACTGGA	CAGAGAGCAA	CTATACTGGG
44201	AGCTGAGCCA	GCTAACCCAC	AGCATCACTG	AGCTGGGACC	CTACACCCTG
44251	GACAGGGTCA	GTCTCTATGT	CAATGGCTTC	AACCCTCGGA	GCTCTGTGCC
44301	AACCACCAGC	ACTCCTGGGA	CCTCCACAGT	GCACCTGGCA	ACCTCTGGGA
44351	CTCCATCCTC	CCTGCCTGGC	CACACANCNN	CTGNCCCTCT	CCTGNTNCCN
44401	TTCACCNTCA	ACTTNACCAT	CACCAACCTG	CANTANGNGG	ANNACATGCN
44451	NCNCCCNGGN	TCCAGGAAGT	TCAACACCAC	NGAGAGGGTT	CTGCAGGGTC
44501	TGCTCAAACC	CTTGTTTCAGG	AATAGCAGTC	TGGAATACCT	CTATTCAGGC
44551	TGCAGACTAG	CCTCACTCAG	GCCAGAGAAG	GATAGCTCAG	CCATGGCAGT
44601	GGATGCCATC	TGCACACATC	GCCCTGACCC	TGAAGACCTC	GGACTGGACA
44651	GAGAGCGACT	GTACTGGGAG	CTGAGCAATC	TGACAAATGG	CATCCAGGAG
44701	CTGGGCCCCT	ACACCCTGGA	CCGGAACAGT	CTCTACGTCA	ATGGTTTCAC
44751	CCATCGGAGC	TCTGGGCTCA	CCACCAGCAC	TCCTTGGACT	TCCACAGTTG
44801	ACCTTGGAAC	CTCAGGGACT	CCATCCCCCG	TCCCCAGCCC	CACAACTGCT
44851	GGCCCTCTCC	TGGTGCCATT	CACCCTCAAC	TTCACCATCA	CCAACCTGCA
44901	GTATGAGGAG	GACATGCATC	GCCCTGGTTC	CAGGAGGTTC	AACACCACGG
44951	AGAGGGTTCT	GCAGGGTCTG	CTCACGCCCT	TGTTCAAGAA	CACCAGTGTT

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

45001	GGCCCTCTGT	ACTCTGGCTG	CAGACTGACC	TTGCTCAGAC	CTGAGAAGCA
45051	AGAGGCAGCC	ACTGGAGTGG	ACACCATCTG	TACCCACCGC	GTTGATCCCA
45101	TCGGACCTGG	ACTGGACAGA	GAGCGGCTAT	ACTGGGAGCT	GAGCCAGCTG
45151	ACCAACAGCA	TCACAGAGCT	GGGACCCTAC	ACCCTGGATA	GGGACAGTCT
45201	CTATGTCAAT	GGCTTCAACC	CTTGGAGCTC	TGTGCCAACC	ACCAGCACTC
45251	CTGGGACCTC	CACAGTGCAC	CTGGCAACCT	CTGGGACTCC	ATCCTCCCTG
45301	CCTGGCCACA	CAGCCCCTGT	CCCTCTCTTG	ATACCATTCA	CCCTCAACTT
45351	TACCATCACC	GACCTGCATT	ATGAAGAAAA	CATGCAACAC	CCTGGTTCCA
45401	GGAAGTTCAA	CACCACGGAG	AGGGTTCTGC	AGGGTCTGCT	CAAGCCCTTG
45451	TTCAAGAGCA	CCAGCGTTGG	CCCTCTGTAC	TCTGGCTGCA	GA CTGACCTT
45501	GCTCAGACCT	GAGAAACATG	GGGCAGCCAC	TGGAGTGGAC	GCCATCTGCA
45551	CCCTCCGCCT	TGATCCCCT	GGTCCTGGAC	TGGACAGAGA	GCGGCTATAC
45601	TGGGAGCTGA	GCCAGCTGAC	CAACAGCGTT	ACAGAGCTGG	GCCCCTACAC
45651	CCTGGACAGG	GACAGTCTCT	ATGTCAATGG	CTTCACCCAT	CGGAGCTCTG
45701	TGCCAACCAC	CAGTATTCCT	GGGACCTCTG	CAGTGCACCT	GGAAACCTCT
45751	GGGACTCCAG	CCTCCCTCCC	TGGCCACACA	GCCCCTGGCC	CTCTCCTGGT
45801	GCCATTCACC	CTCAACTTCA	CTATCACCAA	CCTGCAGTAT	GAGGAGGACA
45851	TGCGTCACCC	TGGTTCCAGG	AAGTTCAGCA	CCACGGAGAG	AGTCCTGCAG
45901	GGTCTGCTCA	AGCCCTTGTT	CAAGAACACC	AGTGTCTAGCT	CTCTGTACTC
45951	TGGTTGCAGA	CTGACCTTGC	TCAGGCCTGA	GAAGGATGGG	GCAGCCACCA
46001	GAGTGGATGC	TGTCTGCACC	CATCGTCCTG	ACCCCAAAG	CCCTGGACTG
46051	GACAGAGAGC	GGCTGTACTG	GAAGCTGAGC	CAGCTGACCC	ACGGCATCAC
46101	TGAGCTGGGC	CCCTACACCC	TGGACAGGCA	CAGTCTCTAT	GTCAATGGTT
46151	TCACCCATCA	GAGCTCTATG	ACGACCACCA	GAATCCTGA	TACCTCCACA
46201	ATGCACCTGG	CAACCTCGAG	AACTCCAGCC	TCCCTGTCTG	GACCTACGAC

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

46251	CGCCAGCCCT	CTCCTGGTGC	TATTCACAAT	TAACTTCACC	ATCACTAACC
46301	TGCGGTATGA	GGAGAACATG	CATCACCCTG	GCTCTAGAAA	GTTTAACACC
46351	ACGGAGAGAG	TCCTTCAGGG	TCTGCTCAGG	CCTGTGTTCA	AGAACACCAG
46401	TGTTGGCCCT	CTGTACTCTG	GCTGCAGACT	GACCACGCTC	AGGCCCAAGA
46451	AGGATGGGGC	AGCCACCAAA	GTGGATGCCA	TCTGCACCTA	CCGCCCTGAT
46501	CCCAAAAGCC	CTGGACTGGA	CAGAGAGCAG	CTATACTGGG	AGCTGAGCCA
46551	GCTAACCAC	AGCATCACTG	AGCTGGGCCC	CTACACCCAG	GACAGGGACA
46601	GTCTCTATGT	CAATGGCTTC	ACCCATCGGA	GCTCTGTGCC	AACCACCAGT
46651	ATTCTGGGA	CCTCTGCAGT	GCACCTGGAA	ACCTCTGGGA	CTCCAGCCTC
46701	CCTCCCTGGC	CACACAGCCC	CTGGCCCTCT	CCTGGTGCCA	TTCACCCTCA
46751	ACTTCACTAT	CACCAACCTG	CAGTATGAGG	AGGACATGCG	TCACCCTGGT
46801	TCCAGGAAGT	TCAACACCAC	GGAGAGAGTC	CTGCAGGGTC	TGCTCAAGCC
46851	CTTGTTCAAG	AGCACCAGTG	TTGGCCCTCT	GTACTCTGGC	TGCAGACTGA
46901	CCTTGCTCAG	GCCTGAAAAA	CGTGGGGCAG	CCACCGGCGT	GGACACCATC
46951	TGCACTCACC	GCCTTGACCC	TCTAAACCCA	GGACTGGACA	GAGAGCAGCT
47001	ATACTGGGAG	CTGAGCAAAC	TGACCCGTGG	CATCATCGAG	CTGGGCCCCT
47051	ACCTCCTGGA	CAGAGGCAGT	CTCTATGTCA	ATGGTTTCAC	CCATCGGACC
47101	TCTGTGCCCCA	CCACCAGCAC	TCCTGGGACC	TCCACAGTGG	ACCTTGGAAC
47151	CTCAGGGACT	CCATTCTCCC	TCCAAGCCC	CGCANCNNCT	GNCCCTCTCC
47201	TGNTNCCNTT	CACCNTCAAC	TTNACCATCA	CCAACCTGCA	NTANGNGGAN
47251	NACATGCNNC	NCCNNGGNTC	CAGGAAGTTC	AACACCACNG	AGAGGGTCCT
47301	GCAGACTCTG	CTTGGTCCTA	TGTTCAAGAA	CACCAGTGTT	GGCCTTCTGT
47351	ACTCTGGCTG	CAGACTGACC	TTGCTCAGGT	CCGAGAAGGA	TGGAGCAGCC
47401	ACTGGAGTGG	ATGCCATCTG	CACCCACCGT	CTTGACCCCA	AAAGCCCTGG
47451	AGTGGACAGG	GAGCAACTAT	ACTGGGAGCT	GAGCCAGCTG	ACCAATGGCA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

47501	TTAAAGAACT	GGGCCCCTAC	ACCCTGGACA	GGAACAGTCT	CTATGTCAAT
47551	GGGTTCACCC	ATTGGATCCC	TGTGCCCACC	AGCAGCACTC	CTGGGACCTC
47601	CACAGTGGAC	CTTGGGTCAG	GGACTCCATC	CTCCCTCCCC	AGCCCCACAA
47651	CTGCTGGCCC	TCTCCTGGTG	CCGTTCACCC	TCAACTTCAC	CATCACCAAC
47701	CTGAAGTACG	AGGAGGACAT	GCATTGCCCT	GGCTCCAGGA	AGTTCAACAC
47751	CACAGAGAGA	GTCCTGCAGA	GTCTGCTTGG	TCCCATGTTC	AAGAACACCA
47801	GTGTTGGCCC	TCTGTACTCT	GGCTGCAGAC	TGACCTTGCT	CAGGTCCGAG
47851	AAGGATGGAG	CAGCCACTGG	AGTGGATGCC	ATCTGCACCC	ACCGTCTTGA
47901	CCCCAAAAGC	CCTGGAGTGG	ACAGGGAGCA	GCTATACTGG	GAGCTGAGCC
47951	AGCTGACCAA	TGGCATCAAA	GAGCTGGGTC	CCTACACCCT	GGACAGAAAC
48001	AGTCTCTATG	TCAATGGTTT	CACCCATCAG	ACCTCTGCGC	CCAACACCAG
48051	CACTCCTGGG	ACCTCCACAG	TGGACCTTGG	GACCTCAGGG	ACTCCATCCT
48101	CCCTCCCCAG	CCCTACANCN	NCTGNCCCTC	TCCTGNTNCC	NTTCACCNTC
48151	AACTTNACCA	TCACCAACCT	GCANTANGNG	GANNACATGC	NNCNCCCNNG
48201	NTCCAGGAAG	TTCAACACCA	CNGAGNGNGT	NCTGCAGGGT	CTGCTNNNNC
48251	CCNTNTTCAA	GAACNCCAGT	GTNGGCCNTC	TGTACTCTGG	CTGCAGACTG
48301	ACCTNNCTCA	GGNCNGAGAA	GNATGGNGCA	GCCACTGGAN	TGGATGCCAT
48351	CTGCANCCAC	CNNCNTNANC	CCAAAAGNCC	TGGACTGNAC	AGNGAGCNGC
48401	TNFACTGGGA	GCTNAGCCAN	CTGACCAANN	NCATCNNNGA	GCTGGGNCCC
48451	TACACCCTGG	ACAGGNACAG	TCTCTATGTC	AATGGTTTCA	CCCATTTGGAT
48501	CCCTGTGCCC	ACCAGCAGCA	CTCCTGGGAC	CTCCACAGTG	GACCTTGGGT
48551	CAGGGACTCC	ATCCTCCCTC	CCCAGCCCCA	CAACTGCTGG	CCCTCTCCTG
48601	GTGCCGTTCA	CCCTCAACTT	CACCATCACC	AACCTGAAGT	ACGAGGAGGA
48651	CATGCATTGC	CCTGGCTCCA	GGAAGTTCAA	CACCACAGAG	AGAGTCCTGC
48701	AGAGTCTGCT	TGGTCCCATG	TTCAAGAACA	CCAGTGTGG	CCCTCTGTAC

Table 4 (continued)

Human cDNA of CA125 (SEQ ID NO: 4)					
48751	TCTGGCTGCA	GACTGACCTC	GCTCAGGTCC	GAGAAGGATG	GAGCAGCCAC
48801	TGGAGTGGAT	GCCATCTGCA	CCCACCGTGT	TGACCCCAAA	AGCCCTGGAG
48851	TGGACAGGGA	GCAGCTATAC	TGGGAGCTGA	GCCAGCTGAC	CAATGGCATC
48901	AAAGAGCTGG	GTCCCTACAC	CCTGGACAGA	AACAGTCTCT	ATGTCAATGG
48951	TTTCACCCAT	CAGACCTCTG	CGCCCAACAC	CAGCACTCCT	GGGACCTCCA
49001	CAGTGNACNT	NGGNACCTCN	GGGACTCCAT	CCTCCNTCCC	CNGCCNCACA
49051	TCTGCTGGCC	CTCTCCTGGT	GCCATTCACC	CTCAACTTCA	CCATCACCAA
49101	CCTGCAGTAC	GAGGAGGACA	TGCATCACCC	AGGCTCCAGG	AAGTTCAACA
49151	CCACGGAGCG	GGTCCTGCAG	GGTCTGCTTG	GTCCCATGTT	CAAGAACACC
49201	AGTGTGCGCC	TTCTGTACTC	TGGCTGCAGA	CTGACCTTGC	TCAGGCCTGA
49251	GAAGAATGGG	GCAACCACTG	GAATGGATGC	CATCTGCACC	CACCGTCTTG
49301	ACCCCAAAAG	CCCTGGACTG	NACAGNGAGC	NGCTNTACTG	GGAGCTNAGC
49351	CANCTGACCA	ANNNCATCNN	NGAGCTGGGN	CCCTACACCC	TGGACAGGNA
49401	CAGTCTCTAT	GTCAATGGTT	TCACCCATCN	GANCTCTGNG	CCCACCACCA
49451	GCACTCCTGG	GACCTCCACA	GTGNACNTNG	GNACCTCNGG	GACTCCATCC
49501	TCCNTCCCCN	GCCNCACANC	NNCTGNCCCT	CTCCTGNTNC	CNTTCACCNT
49551	CAACTTNACC	ATCACCAACC	TGCANTANGN	GGANNACATG	CNNCNCNCNG
49601	GNTCCAGGAA	GTTCAACACC	ACNGAGAGGG	TTCTGCAGGG	TCTGCTCAAA
49651	CCCTTGTTCA	GGAATAGCAG	TCTGGAATAC	CTCTATTGAG	GCTGCAGACT
49701	AGCCTCACTC	AGGCCAGAGA	AGGATAGCTC	AGCCATGGCA	GTGGATGCCA
49751	TCTGCACACA	TCGCCCTGAC	CCTGAAGACC	TCGGAAGTGA	CAGAGAGCGA
49801	CTGTACTGGG	AGCTGAGCAA	TCTGACAAAT	GGCATCCAGG	AGCTGGGCCC
49851	CTACACCCTG	GACCGGAACA	GTCTCTATGT	CAATGGTTTC	ACCCATCGAA
49901	GCTCTATGCC	CACCACCAGC	ACTCCTGGGA	CCTCCACAGT	GGATGTGGGA
49951	ACCTCAGGGA	CTCCATCCTC	CAGCCCCAGC	CCCACGACTG	CTGGCCCTCT

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

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50001  CCTGATACCA TTCACCTCA ACTTCACCAT CACCAACCTG CAGTATGGGG
50051  AGGACATGGG TCACCTGGC TCCAGGAAGT TCAACACCAC AGAGAGGGTC
50101  CTGCAGGGTC TGCTTGGTCC CATATTCAAG AACACCAGTG TTGGCCCTCT
50151  GTACTCTGGC TGCAGACTGA CCTCTCTCAG GTCTGAGAAG GATGGAGCAG
50201  CCACTGGAGT GGATGCCATC TGCATCCATC ATCTTGACCC CAAAAGCCCT
50251  GGACTCAACA GAGAGCGGCT GTACTGGGAG CTGAGCCAAC TGACCAATGG
50301  CATCAAAGAG CTGGGCCCCT ACACCCTGGA CAGGAACAGT CTCTATGTCA
50351  ATGGTTTCAC CCATCGGACC TCTGTGCCCA CCACCAGCAC TCCTGGGACC
50401  TCCACAGTGG ACCTTGGAAC CTCAGGGACT CCATTCTCCC TCCAAGCCC
50451  CGCAACTGCT GGCCCTCTCC TGGTGCTGTT CACCCTCAAC TTCACCATCA
50501  CCAACCTGAA GTATGAGGAG GACATGCATC GCCCTGGCTC CAGGAAGTTC
50551  AACACCACTG AGAGGGTCCT GCAGACTCTG CTTGGTCCTA TGTTCAAGAA
50601  CACCAGTGTT GGCCTTCTGT ACTCTGGCTG CAGACTGACC TTGCTCAGGT
50651  CCGAGAAGGA TGGAGCAGCC ACTGGAGTGG ATGCCATCTG CACCCACCGT
50701  CTTGACCCCA AAAGCCCTGG ACTGNACAGN GAGCNGCTNT ACTGGGAGCT
50751  NAGCCANCTG ACCAANNCA TCNNNGAGCT GGGNCCCTAC ACCCTGGACA
50801  GGNACAGTCT CTATGTCAAT GGTTTCACCC ATCNGANCTC TGNGCCCACC
50851  ACCAGCACTC CTGGGACCTC CACAGTGNAC NTNGGNACCT CNGGGACTCC
50901  ATCCTCCNTC CCCNGCCNCA CANCNNCTGN CCCTCTCCTG NTNCCNTTCA
50951  CCNTCAACTT NACCATCACC AACCTGCANT ANGNGGANNA CATGCNNCNC
51001  CCNGGNTCCA GGAAGTTCAA CACCACNGAG AGAGTCCTTC AGGGTCTGCT
51051  CAGGCCTGTG TTCAAGAACA CCAGTGTGTTGG CCCTCTGTAC TCTGGCTGCA
51101  GACTGACCTT GCTCAGGCCC AAGAAGGATG GGGCAGCCAC CAAAGTGGAT
51151  GCCATCTGCA CCTACCGCCC TGATCCCAAA AGCCCTGGAC TGGACAGAGA
51201  GCAGCTATAC TGGGAGCTGA GCCAGCTAAC CCACAGCATC ACTGAGCTGG

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Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

51251	GCCCCTACAC	CCAGGACAGG	GACAGTCTCT	ATGTCAATGG	CTTCACCCAT
51301	CGGAGCTCTG	TGCCAACCAC	CAGTATTCCT	GGGACCTCTG	CAGTGCACCT
51351	GGAAACCACT	GGGACTCCAT	CCTCCTTCCC	CGGCCACACA	GAGCCTGGCC
51401	CTCTCCTGAT	ACCATTCACT	TTCAACTTTA	CCATCACCAA	CCTGCGTTAT
51451	GAGGAAAACA	TGCAACACCC	TGGTTCCAGG	AAGTTCAACA	CCACGGAGAG
51501	GGTTCTGCAG	GGTCTGCTCA	CGCCCTTGTT	CAAGAACACC	AGTGTGGGCC
51551	CTCTGTACTC	TGGCTGCAGA	CTGACCTTGC	TCAGACCTGA	GAAGCAGGAG
51601	GCAGCCACTG	GAGTGGACAC	CATCTGTACC	CACCGCGTTG	ATCCCATCGG
51651	ACCTGGACTG	GACAGAGAGC	GGCTATACTG	GGAGCTGAGC	CAGCTGACCA
51701	ACAGCATCAC	AGAGCTGGGA	CCCTACACCC	TGGATAGGGA	CAGTCTCTAT
51751	GTCGATGGCT	TCAACCCCTG	GAGCTCTGTG	CCAACCACCA	GCACTCCTGG
51801	GACCTCCACA	GTGCACCTGG	CAACCTCTGG	GACTCCATCC	CCCCTGCCTG
51851	GCCACACAGC	CCCTGTCCCT	CTCTTGATAC	CATTCAACCCT	CAACTTTACC
51901	ATCACCGACC	TGCATTATGA	AGAAAACATG	CAACACCCTG	GTTCCAGGAA
51951	GTTCAACACC	ACGGAGAGGG	TTCTGCAGGG	TCTGCTCAAG	CCCTTGTTCA
52001	AGAGCACCAG	CGTTGGCCCT	CTGTACTCTG	GCTGCAGACT	GACCTTGCTC
52051	AGACCTGAGA	AACATGGGGC	AGCCACTGGA	GTGGACGCCA	TCTGCACCCT
52101	CCGCCTTGAT	CCCACTGGTC	CTGGACTGGA	CAGAGAGCGG	CTATACTGGG
52151	AGCTGAGCCA	GCTGACCAAC	AGCATCACAG	AGCTGGGACC	CTACACCCTG
52201	GATAGGGACA	GTCTCTATGT	CAATGGCTTC	AACCCTTGGA	GCTCTGTGCC
52251	AACCACCAGC	ACTCCTGGGA	CCTCCACAGT	GCACCTGGCA	ACCTCTGGGA
52301	CTCCATCCTC	CCTGCCTGGC	CACACAACCTG	CTGGCCCTCT	CCTGGTGCCG
52351	TTCACCCTCA	ACTTCACCAT	CACCAACCTG	AAGTACGAGG	AGGACATGCA
52401	TTGCCCTGGC	TCCAGGAAGT	TCAACACCAC	AGAGAGAGTC	CTGCAGAGTC
52451	TGCATGGTCC	CATGTTCAAG	AACACCAGTG	TTGGCCCTCT	GTA CTCTGGC

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

52501	TGCAGACTGA	CCTTGCTCAG	GTCCGAGAAG	GATGGAGCAG	CCACTGGAGT
52551	GGATGCCATC	TGCACCCACC	GTCTTGACCC	CAAAAGCCCT	GGACTGNACA
52601	GNGAGCNGCT	NTACTGGGAG	CTNAGCCANC	TGACCAANNN	CATCNNNGAG
52651	CTGGGNCCCT	ACACCCTGGA	CAGGNACAGT	CTCTATGTCA	ATGGTTTTCAC
52701	CCATCNGANC	TCTGNGCCCA	CCACCAGCAC	TCCTGGGACC	TCCACAGTGN
52751	ACNTNGGNAC	CTCNGGGACT	CCATCCTCCN	TCCCCNGCCN	CACANCNNCT
52801	GNCCCTCTCC	TGNTNCCNTT	CACCNTCAAC	TTNACCATCA	CCAACCTGCA
52851	NTANGNGGAN	NACATGCNNC	NCCCNGGNTC	CAGGAAGTTC	AACACCACNG
52901	AGNGNGTNCT	GCAGGGTCTG	CTNNMNCCCN	TNTTCAAGAA	CNCCAGTGTN
52951	GGCCNTCTGT	ACTCTGGCTG	CAGACTGACC	TNNCTCAGGN	CNGAGAAGNA
53001	TGGNGCAGCC	ACTGGANTGG	ATGCCATCTG	CANCCACCNN	CNTNANCCCA
53051	AAAGNCCTGG	ACTGNACAGN	GAGCNGCTNT	ACTGGGAGCT	NAGCCANCTG
53101	ACCAACAGCA	TCACAGAGCT	GGGACCCTAC	ACCCTGGATA	GGGACAGTCT
53151	CTATGTCAAT	GGTTTCACCC	ATCGAAGCTC	TATGCCCACC	ACCAGTATTC
53201	CTGGGACCTC	TGCAGTGCAC	CTGGAAACCT	CTGGGACTCC	AGCCTCCCTC
53251	CCTGGCCACA	CAGCCCCTGG	CCCTCTCCTG	GTGCCATTCA	CCCTCAACTT
53301	CACTATCACC	AACCTGCAGT	ATGAGGAGGA	CATGCGTCAC	CCTGGTTCCA
53351	GGAAGTTCAA	CACCACGGAG	AGAGTCCTGC	AGGGTCTGCT	CAAGCCCTTG
53401	TTCAAGAGCA	CCAGTGTTGG	CCCTCTGTAC	TCTGGCTGCA	GA CTGACCTT
53451	GCTCAGGCCT	GAAAAACGTG	GGGCAGCCAC	CGGCGTGGAC	ACCATCTGCA
53501	CTCACC GCCT	TGACCCTCTA	AACCCTGGAC	TGNACAGNGA	GCNGCTNTAC
53551	TGGGAGCTNA	GCCANCTGAC	CAANNNCATC	NNNGAGCTGG	GNCCCTACAC
53601	CCTGGACAGG	NACAGTCTCT	ATGTCAATGG	TTTCACCCAT	CNGANCTCTG
53651	NGCCCACCAC	CAGCACTCCT	GGGACCTCCA	CAGTGNACNT	NGGNACCTCN
53701	GGGACTCCAT	CCTCCNTCCC	CNGCCNCACA	NCNNCTGNCC	CTCTCCTGNT

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

53751	NCCNTTCACC	NTCAACTTNA	CCATCACCAA	CCTGCANTAN	GNGGANNACA
53801	TGCNNCNC	NGGNTCCAGG	AAGTTCAACA	CCACNGAGNG	NGTNCTGCAG
53851	GGTCTGCTNN	NNCCCNTNTT	CAAGAACNCC	AGTGTNGGCC	NTCTGTACTC
53901	TGGCTGCAGA	CTGACCTNNC	TCAGGNCNGA	GAAGNATGGN	GCAGCCACTG
53951	GANTGGATGC	CATCTGCANC	CACCNNCNTN	ANCCCCAAAAG	NCCTGGACTG
54001	NACAGNGAGC	NGCTNTACTG	GGAGCTNAGC	CANCTGACCA	ANNNCATCNN
54051	NGAGCTGGGN	CCCTACACCC	TGGACAGGNA	CAGTCTCTAT	GTCAATGGTT
54101	TTCACCCTCG	GAGCTCTGTG	CCAACCACCA	GCACTCCTGG	GACCTCCACA
54151	GTGCACCTGG	CAACCTCTGG	GACTCCATCC	TCCCTGCCTG	GCCACACAGC
54201	CCCTGTCCCT	CTCTTGATAC	CATTACCCCT	CAACTTTACC	ATCACCAACC
54251	TGCATTATGA	AGAAAACATG	CAACACCCTG	GTTCCAGGAA	GTTCAACACC
54301	ACGGAGCGGG	TCCTGCAGGG	TCTGCTTGGT	CCCATGTTCA	AGAACACAAG
54351	TGTCGGCCTT	CTGTACTCTG	GCTGCAGACT	GACCTTGCTC	AGGCCTGAGA
54401	AGAATGGGGC	AGCCACTGGA	ATGGATGCCA	TCTGCAGCCA	CCGTCTTGAC
54451	CCCCAAAGCC	CTGGACTGNA	CAGNGAGCNG	CTNTACTGGG	AGCTNAGCCA
54501	NCTGACCAAN	NNCATCNNNG	AGCTGGGNCC	CTACACCCTG	GACAGGNACA
54551	GTCTCTATGT	CAATGGTTTC	ACCCATCNGA	NCTCTGNGCC	CACCACCAGC
54601	ACTCCTGGGA	CCTCCACAGT	GNACNTNGGN	ACCTCNGGGA	CTCCATCCTC
54651	CNTCCCCNGC	CNCACANCNN	CTGNCCCTCT	CCTGNTNCCN	TTCACCNTCA
54701	ACTTNACCAT	CACCAACCTG	CANTANGNGG	ANNACATGCN	NCNCCCNGGN
54751	TCCAGGAAGT	TCAACACCAC	NGAGNGNGTN	CTGCAGGGTC	TGCTNNNNCC
54801	CNTNTTCAAG	AACNCCAGTG	TNGGCCNTCT	GTACTCTGGC	TGCAGACTGA
54851	CCTNNCTCAG	GNCNGAGAAG	NATGGNGCAG	CCACTGGANT	GGATGCCATC
54901	TGCANCCACC	NNCNTNANCC	CAAAAGNCCT	GGACTGNACA	GNGAGCNGCT
54951	NTACTGGGAG	CTNAGCCANC	TGACCAANNN	CATCNNNGAG	CTGGGNCCCT

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

55001	ACACCCTGGA	CAGGNACAGT	CTCTATGTCA	ATGGTTTCAC	CCATCAGAAC
55051	TCTGTGCCCCA	CCACCAGTAC	TCCTGGGACC	TCCACAGTGT	ACTGGGCAAC
55101	CACTGGGACT	CCATCCTCCT	TCCCCGGCCA	CACAGAGCCT	GGCCCTCTCC
55151	TGATACCATT	CACTTTCAAC	TTTACCATCA	CCAACCTGCA	TTATGAGGAA
55201	AACATGCAAC	ACCCTGGTTC	CAGGAAGTTC	AACACCACGG	AGAGGGTTCT
55251	GCAGGGTCTG	CTCACGCCCT	TGTTCAAGAA	CACCAGTGTT	GGCCCTCTGT
55301	ACTCTGGCTG	CAGACTGACC	TTGCTCAGAC	CTGAGAAGCA	GGAGGCAGCC
55351	ACTGGAGTGG	ACACCATCTG	TACCCACCGC	GTTGATCCCA	TCGGACCTGG
55401	ACTGNACAGN	GAGCNGCTNT	ACTGGGAGCT	NAGCCANCTG	ACCAANNNCA
55451	TCNNNGAGCT	GGGNCCCTAC	ACCCTGGACA	GGNACAGTCT	CTATGTCAAT
55501	GGTTTCACCC	ATCNGANCTC	TGNGCCCACC	ACCAGCACTC	CTGGGACCTC
55551	CACAGTGNAC	NTNGGNACCT	CNGGGACTCC	ATCCTCCNTC	CCCNGCCNCA
55601	CANCNNCTGN	CCCTCTCCTG	NTNCCNTTCA	CCNTCAACTT	NACCATCACC
55651	AACCTGCANT	ANGNGGANNA	CATGCNNCNC	CCNGGNTCCA	GGAAGTTCAA
55701	CACCACNGAG	NGNGTNCTGC	AGGGTCTGCT	NNNNCCCNTN	TTCAAGAACN
55751	CCAGTGTNGG	CCNTCTGTAC	TCTGGCTGCA	GA CTGACCTN	NCTCAGGNCN
55801	GAGAAGNATG	GNGCAGCCAC	TGGANTGGAT	GCCATCTGCA	NCCACCNNCN
55851	TNANCCCCAAA	AGNCCTGGAC	TGNACAGNGA	GCNGCTNTAC	TGGGAGCTNA
55901	GCCANCTGAC	CAANNNCATC	NNNGAGCTGG	GNCCCTACAC	CCTGGACAGG
55951	NACAGTCTCT	ATGTCAATGG	TTTCACCCAT	CGGAGCTCTG	TGCCAACCAC
56001	CAGCAGTCCT	GGGACCTCCA	CAGTGCACCT	GGCAACCTCT	GGGACTCCAT
56051	CCTCCCTGCC	TGGCCACACA	GCCCCGTGTC	CTCTCTTGAT	ACCATTCAAC
56101	CTCAACTTTA	CCATCACCAA	CCTGCATTAT	GAAGAAAACA	TGCAACACCC
56151	TGGTTCCAGG	AAGTTCAACA	CCACGGAGAG	GGTTCTGCAG	GGTCTGCTCA
56201	AGCCCTTGTT	CAAGAGCACC	AGTGTTGGCC	CTCTGTACTC	TGGCTGCAGA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

56251	CTGACCTTGC	TCAGACCTGA	GAAACATGGG	GCAGCCACTG	GAGTGGACGC
56301	CATCTGCACC	CTCCGCCTTG	ATCCCCTGG	TCCTGGACTG	NACAGNGAGC
56351	NGCTNTACTG	GGAGCTNAGC	CANCTGACCA	ANNNCATCNN	NGAGCTGGGN
56401	CCCTACACCC	TGGACAGGNA	CAGTCTCTAT	GTCAATGGTT	TCACCCATCN
56451	GANCTCTGNG	CCCACCACCA	GCACTCCTGG	GACCTCCACA	GTGNACNTNG
56501	GNACCTCNGG	GACTCCATCC	TCCNTCCCN	GCCNCACANC	NNCTGNCCCT
56551	CTCCTGNTNC	CNTTCACCNT	CAACTTNACC	ATCACCAACC	TGCANTANGN
56601	GGANNACATG	CNNCNCNCNG	GNTCCAGGAA	GTTCAACACC	ACNGAGNGNG
56651	TNCTGCAGGG	TCTGCTNNNN	CCCNTNTTCA	AGAACNCCAG	TGTNGGCCNT
56701	CTGTACTCTG	GCTGCAGACT	GACCTNNCTC	AGGNCNGAGA	AGNATGGNGC
56751	AGCCACTGGA	NTGGATGCCA	TCTGCANCCA	CCNNCNTNAN	CCCAAAAGNC
56801	CTGGACTGNA	CAGNGAGCNG	CTNTACTGGG	AGCTNAGCCA	NCTGACCAAN
56851	NNCATCNNNG	AGCTGGGNCC	CTACACCCTG	GACAGGNACA	GTCTCTATGT
56901	CAATGGTTTC	ACCCATCGGA	CCTCTGTGCC	CACCACCAGC	ACTCCTGGGA
56951	CCTCCACAGT	GCACCTGGCA	ACCTCTGGGA	CTCCATCCTC	CCTGCCTGGC
57001	CACACAGCCC	CTGTCCCTCT	CTTGATACCA	TTCACCCTCA	ACTTTACCAT
57051	CACCAACCTG	CAGTATGAGG	AGGACATGCA	TCGCCCTGGA	TCTAGGAAGT
57101	TCAACACCAC	AGAGAGGGTC	CTGCAGGGTC	TGCTTAGTCC	CATTTTCAAG
57151	AACTCCAGTG	TTGGCCCTCT	GTACTCTGGC	TGCAGACTGA	CCTCTCTCAG
57201	GCCCGAGAAG	GATGGGGCAG	CAACTGGAAT	GGATGCTGTC	TGCCTCTACC
57251	ACCCTAATCC	CAAAGACCT	GGGCTGGACA	GAGAGCAGCT	GTACTGCGAG
57301	CTAAGCCAGC	TGACCCACAA	CATCACTGAG	CTGGGCCCCT	ACAGCCTGGA
57351	CAGGGACAGT	CTCTATGTCA	ATGGTTTCAC	CCATCAGAAC	TCTGTGCCCA
57401	CCACCAGTAC	TCCTGGGACC	TCCACAGTGT	ACTGGGCAAC	CACTGGGACT
57451	CCATCCTCCT	TCCCCGGCCA	CACANCNNCT	GNCCCTCTCC	TGNTNCCNTT

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

57501	CACCNTCAAC	TTNACCATCA	CCAACCTGCA	NTANGNGGAN	NACATGCNNC
57551	NCCCNGGNTC	CAGGAAGTTC	AACACCACNG	AGNGNGTNCT	GCAGGGTCTG
57601	CTNNNNCCCN	TNTTCAAGAA	CNCCAGTGTN	GGCCNTCTGT	ACTCTGGCTG
57651	CAGACTGACC	TNNCTCAGGN	CNGAGAAGNA	TGGNGCAGCC	ACTGGANTGG
57701	ATGCCATCTG	CANCCACCNN	CNTNANCCCA	AAAGNCCTGG	ACTGNACAGN
57751	GAGCNGCTNT	ACTGGGAGCT	NAGCCANCTG	ACCAANNNCA	TCNNNGAGCT
57801	GGGNCCCTAC	ACCCTGGACA	GGNACAGTCT	CTATGTCAAT	GGTTTCACCC
57851	ATTGGAGCTC	TGGGCTCACC	ACCAGCACTC	CTTGGACTTC	CACAGTTGAC
57901	CTTGGAACCT	CAGGGACTCC	ATCCCCCGTC	CCCAGCCCCA	CAACTGCTGG
57951	CCCTCTCCTG	GTGCCATTCA	CCCTAAACTT	CACCATCACC	AACCTGCAGT
58001	ATGAGGAGGA	CATGCATCGC	CCTGGATCTA	GGAAGTTCAA	CGCCACAGAG
58051	AGGGTCCTGC	AGGGTCTGCT	TAGTCCCATA	TTCAAGAACA	CCAGTGTGTTG
58101	CCCTCTGTAC	TCTGGCTGCA	GA CTGACCTT	GCTCAGACCT	GAGAAGCAGG
58151	AGGCAGCCAC	TGGAGTGGAC	ACCATCTGTA	CCCACCGCGT	TGATCCCATC
58201	GGACCTGGAC	TGNACAGNGA	GCNGCTNTAC	TGGGAGCTNA	GCCANCTGAC
58251	CAANNNCATC	NNNGAGCTGG	GNCCCTACAC	CCTGGACAGG	NACAGTCTCT
58301	ATGTCAATGG	TTTCACCCAT	CNGANCTCTG	NGCCCACCAC	CAGCACTCCT
58351	GGGACCTCCA	CAGTGNACNT	NGGNACCTCN	GGGACTCCAT	CCTCCNTCCC
58401	CNGCCNCACA	NCNNCTGNCC	CTCTCCTGNT	NCCNTTCACC	NTCAACTTNA
58451	CCATCACCAA	CCTGCANTAN	GNGGANNACA	TGCNNCNCNC	NGGNTCCAGG
58501	AAGTTCAACA	CCACNGAGNG	NGTNCTGCAG	GGTCTGCTNN	NNCCCNTNTT
58551	CAAGAACNCC	AGTGTNGGCC	NTCTGTACTC	TGGCTGCAGA	CTGACCTNNC
58601	TCAGGNCNGA	GAAGNATGGN	GCAGCCACTG	GANTGGATGC	CATCTGCANC
58651	CACCNNCNTN	ANCCCCAAAAG	NCCTGGACTG	NACAGNGAGC	NGCTNTACTG
58701	GGAGCTNAGC	CANCTGACCA	ANNNCATCNN	NGAGCTGGGN	CCCTACACCC

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

58751	TGGACAGGNA	CAGTCTCTAT	GTCAATGGTT	TCACCCATCG	GAGCTTTGGG
58801	CTCACCACCA	GCACTCCTTG	GACTTCCACA	GTTGACCTTG	GAACCTCAGG
58851	GACTCCATCC	CCCGTCCCCA	GCCCCACAAC	TGCTGGCCCT	CTCCTGGTGC
58901	CATTACCCCT	AAACTTCACC	ATCACCAACC	TGCAGTATGA	GGAGGACATG
58951	CATCGCCCTG	GCTCCAGGAA	GTTCAACACC	ACGGAGAGGG	TCCTTCAGGG
59001	TCTGCTTACG	CCCTTGTTCA	GGAACACCAG	TGTCAGCTCT	CTGTACTCTG
59051	GTTGCAGACT	GACCTTGCTC	AGGCCTGAGA	AGGATGGGGC	AGCCACCAGA
59101	GTGGATGCTG	TCTGCACCCA	TCGTCCTGAC	CCCAAAAGCC	CTGGACTGNA
59151	CAGNGAGCNG	CTNTACTGGG	AGCTNAGCCA	NCTGACCAAN	NNCATCNNNG
59201	AGCTGGGNCC	CTACACCCTG	GACAGGNACA	GTCTCTATGT	CAATGGTTTC
59251	ACCCATCNGA	NCTCTGNGCC	CACCACCAGC	ACTCCTGGGA	CCTCCACAGT
59301	GNACNTNGGN	ACCTCNGGGA	CTCCATCCTC	CNTCCCCNGC	CNCACANCNN
59351	CTGNCCCTCT	CCTGNTNCCN	TTCACCNTCA	ACTTNACCAT	CACCAACCTG
59401	CANTANGNGG	ANNACATGCN	NCNCCCNGGN	TCCAGGAAGT	TCAACACCAC
59451	NGAGNGNGTN	CTGCAGGGTC	TGCTNNNNCC	CNTNTTCAAG	AACNCCAGTG
59501	TNGGCCNTCT	GTA CTCTGGC	TGCAGACTGA	CCTNNCTCAG	GNCNGAGAAG
59551	NATGGNGCAG	CCACTGGANT	GGATGCCATC	TGCANCCACC	NNCNTNANCC
59601	CAAAAGNCCT	GGA CTGNACA	GNGAGCNGCT	NTACTGGGAG	CTNAGCCANC
59651	TGACCAANNN	CATC NNNAG	CTGGGNCCCT	ACACCCTGGA	CAGGNACAGT
59701	CTCTATGTCA	ATGGTTTCAC	CCATTGGATC	CCTGTGCCCA	CCAGCAGCAC
59751	TCCTGGGACC	TCCACAGTGG	ACCTTGGGTC	AGGGACTCCA	TCCTCCCTCC
59801	CCAGCCCCAC	AACTGCTGGC	CCTCTCCTGG	TACCATTAC	CCTCAACTTC
59851	ACCATCACCA	ACCTGCAGTA	TGGGGAGGAC	ATGGGTCACC	CTGGCTCCAG
59901	GAAGTTCAAC	ACCACAGAGA	GGGTCCTGCA	GGGTCTGCTT	GGTCCCATAT
59951	TCAAGAACAC	CAGTGTTGGC	CCTCTGTACT	CTGGCTGCAG	ACTGACCTCT

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

60001	CTCAGGTCCG	AGAAGGATGG	AGCAGCCACT	GGAGTGGATG	CCATCTGCAT
60051	CCATCATCTT	GACCCCAAAA	GCCCTGGACT	GNACAGNGAG	CNGCTNTACT
60101	GGGAGCTNAG	CCANCTGACC	AANNNCATCN	NNGAGCTGGG	NCCCTACACC
60151	CTGGACAGGN	ACAGTCTCTA	TGTCAATGGT	TTCACCCATC	NGANCTCTGN
60201	GCCCACCACC	AGCACTCCTG	GGACCTCCAC	AGTGNACNTN	GGNACCTCNG
60251	GGACTCCATC	CTCCNTCCCC	NGCCNCACAN	CNNCTGNCCC	TCTCCTGNTN
60301	CCNTTCACCN	TCAACTTNAC	CATCACCAAC	CTGCANTANG	NGGANNACAT
60351	GCNNCNCCCN	GGNTCCAGGA	AGTTCAACAC	CACNGAGNGN	GTNCTGCAGG
60401	GTCTGCTNNN	NCCCNTNTTC	AAGAACNCCA	GTGTNGGCCN	TCTGTACTCT
60451	GGCTGCAGAC	TGACCTNNCT	CAGGNCNGAG	AAGNATGGNG	CAGCCACTGG
60501	ANTGGATGCC	ATCTGCANCC	ACCNNCNTNA	NCCCCAAAAGN	CCTGGACTGN
60551	ACAGNGAGCN	GCTNTACTGG	GAGCTNAGCC	ANCTGACCAA	NNNCATCNNN
60601	GAGCTGGGNC	CCTACACCCT	GGACAGGNAC	AGTCTCTATG	TCAATGGTTT
60651	CACCCATCAG	ACCTTTGCGC	CCAACACCAG	CACTCCTGGG	ACCTCCACAG
60701	TGGACCTTGG	GACCTCAGGG	ACTCCATCCT	CCCTCCCCAG	CCCTACATCT
60751	GCTGGCCCTC	TCCTGGTGCC	ATTCAACCCTC	AACTTCACCA	TCACCAACCT
60801	GCAGTACGAG	GAGGACATGC	ATCACCCAGG	CTCCAGGAAG	TTCAACACCA
60851	CGGAGCGGGT	CCTGCAGGGT	CTGCTTGGTC	CCATGTTCAA	GAACACCAGT
60901	GTCGGCCTTC	TGTACTCTGG	CTGCAGACTG	ACCTTGCTCA	GGCCTGAGAA
60951	GAATGGGGCA	GCCACCAGAG	TGGATGCTGT	CTGCACCCAT	CGTCCTGACC
61001	CCAAAAGCCC	TGGACTGNAC	AGNGAGCNGC	TNTACTGGGA	GCTNAGCCAN
61051	CTGACCAANN	NCATCNNGA	GCTGGGNCCC	TACACCCTGG	ACAGGNACAG
61101	TCTCTATGTC	AATGGTTTCA	CCCATCNGAN	CTCTGNGCCC	ACCACCAGCA
61151	CTCCTGGGAC	CTCCACAGTG	NACNTNGGNA	CCTCNGGGAC	TCCATCCTCC
61201	NTCCCCNGCC	NCACAGCCCC	TGTCCCTCTC	TTGATACCAT	TCACCCTCAA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

61251	CTTTACCATC	ACCAACCTGC	ATTATGAAGA	AAACATGCAA	CACCCTGGTT
61301	CCAGGAAGTT	CAACACCACG	GAGAGGGTTC	TGCAGGGTCT	GCTCAAGCCC
61351	TTGTTCAAGA	GCACCAGCGT	TGGCCCTCTG	TACTCTGGCT	GCAGACTGAC
61401	CTTGCTCAGA	CCTGAGAAAC	ATGGGGCAGC	CACTGGAGTG	GACGCCATCT
61451	GCACCCTCCG	CCTTGATCCC	ACTGGTCCTG	GACTIONGACAG	AGAGCGGCTA
61501	TACTGGGAGC	TGAGCCAGCT	GACCAACAGC	GTTACAGAGC	TGGGCCCCCTA
61551	CACCCTGGAC	AGGGACAGTC	TCTATGTCAA	TGGCTTCACC	CAGCGGAGCT
61601	CTGTGCCAAC	CACCAGTATT	CCTGGGACCT	CTGCAGTGCA	CCTGGAAACC
61651	TCTGGGACTC	CAGCCTCCCT	CCCTGGCCAC	ACAGCCCCTG	GCCCTCTCCT
61701	GGTGCCATTC	ACCCTCAACT	TCACTATCAC	CAACCTGCAG	TATGAGGTGG
61751	ACATGCGTCA	CCCTGGTTCC	AGGAAGTTCA	ACACCACGGA	GAGAGTCCTG
61801	CAGGGTCTGC	TCAAGCCCTT	GTTCAAGAGC	ACCACTGTTG	GCCCTCTGTA
61851	CTCTGGCTGC	AGACTGACCT	TGCTCAGGCC	TGAAAAACGT	GGGGCAGCCA
61901	CCGGCGTGGA	CACCATCTGC	ACTCACC GCC	TTGACCCTCT	AAACCCTGGA
61951	CTGGACAGAG	AGCAGCTATA	CTGGGAGCTG	AGCAAACCTGA	CCCGTGGCAT
62001	CATCGAGCTG	GGCCCCCTACC	TCCTGGACAG	AGGCAGTCTC	TATGTCAATG
62051	GTTTCACCCA	TCGGAAC TTT	GTGCCCATCA	CCAGCACTCC	TGGGACCTCC
62101	ACAGTACACC	TAGGAACCTC	TGAAACTCCA	TCCTCCCTAC	CTAGACCCAT
62151	AGTGCCTGGC	CCTCTCCTGG	TGCCATTAC	CCTCAACTTC	ACCATCACCA
62201	ACTTGCAGTA	TGAGGAGGCC	ATGCGACACC	CTGGCTCCAG	GAAGTTCAAT
62251	ACCACGGAGA	GGGTCCTACA	GGGTCTGCTC	AGGCCCTTGT	TCAAGAATAC
62301	CAGTATCGGC	CCTCTGTACT	CCAGCTGCAG	ACTGACCTTG	CTCAGGCCAG
62351	AGAAGGACAA	GGCAGCCACC	AGAGTGGATG	CCATCTGTAC	CCACCACCCT
62401	GACCCTCAAA	GCCCTGGACT	GAACAGAGAG	CAGCTGTACT	GGGAGCTGAG
62451	CCAGCTGACC	CACGGCATCA	CTGAGCTGGG	CCCCTACACC	CTGGACAGGG

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

62501	ACAGTCTCTA	TGTCGATGGT	TTCACTCATT	GGAGCCCCAT	ACCGACCACC
62551	AGCACTCCTG	GGACCTCCAT	AGTGAACCTG	GGAACCTCTG	GGATCCCACC
62601	TTCCCTCCCT	GAAACTACAN	CNNCTGNCCC	TCTCCTGNTN	CCNTTCACCN
62651	TCAACTTNAC	CATCACCAAC	CTGCANTANG	NGGANNACAT	GCNNCNCCCN
62701	GGNTCCAGGA	AGTTCAACAC	CACNGAGAGG	GTTCTGCAGG	GTCTGCTCAA
62751	GCCCTTGTTT	AAGAGCACCA	GTGTTGGCCC	TCTGTATTCT	GGCTGCAGAC
62801	TGACCTTGCT	CAGGCCTGAG	AAGGACGGAG	TAGCCACCAG	AGTGGACGCC
62851	ATCTGCACCC	ACCGCCCTGA	CCCCAAAATC	CCTGGGCTAG	ACAGACAGCA
62901	GCTATACTGG	GAGCTGAGCC	AGCTGACCCA	CAGCATCACT	GAGCTGGGAC
62951	CCTACACCCT	GGATAGGGAC	AGTCTCTATG	TCAATGGTTT	CACCCAGCGG
63001	AGCTCTGTGC	CCACCACCAG	CACTCCTGGG	ACTTTCACAG	TACAGCCGGA
63051	AACCTCTGAG	ACTCCATCAT	CCCTCCCTGG	CCCCACAGCC	ACTGGCCCTG
63101	TCCTGCTGCC	ATTACCCCTC	AATTTTACCA	TACTAACCT	GCAGTATGAG
63151	GAGGACATGC	ATCGCCCTGG	CTCCAGGAAG	TTCAACACCA	CGGAGAGGGT
63201	CCTTCAGGGT	CTGCTTATGC	CCTTGTTCAA	GAACACCAGT	GTCAGCTCTC
63251	TGTACTCTGG	TTGCAGACTG	ACCTTGCTCA	GGCCTGAGAA	GGATGGGGCA
63301	GCCACCAGAG	TGGATGCTGT	CTGCACCCAT	CGTCCTGACC	CCAAAAGCCC
63351	TGGACTGGAC	AGAGAGCGGC	TGTACTGGAA	GCTGAGCCAG	CTGACCCACG
63401	GCATCACTGA	GCTGGGCCCC	TACACCCTGG	ACAGGCACAG	TCTCTATGTC
63451	AATGGTTTCA	CCCATCAGAG	CTCTATGACG	ACCACCAGAA	CTCCTGATAC
63501	CTCCACAATG	CACCTGGCAA	CCTCGAGAAC	TCCAGCCTCC	CTGTCTGGAC
63551	CTACGACCGC	CAGCCCTCTC	CTGGTGCTAT	TCACAATTAA	CTTCACCATC
63601	ACTAACCTGC	GGTATGAGGA	GAACATGCAT	CACCCTGGCT	CTAGAAAGTT
63651	TAACACCACG	GAGAGAGTCC	TTCAGGGTCT	GCTCAGGCCT	GTGTTCAAGA
63701	ACACCAGTGT	TGGCCCTCTG	TACTCTGGCT	GCAGACTGAC	CTTGCTCAGG

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

63751	CCCAAGAAGG	ATGGGGCAGC	CACCAAAGTG	GATGCCATCT	GCACCTACCG
63801	CCCTGATCCC	AAAAGCCCTG	GACTGGACAG	AGAGCAGCTA	TACTGGGAGC
63851	TGAGCCAGCT	AACCCACAGC	ATCACTGAGC	TGGGCCCCTA	CACCCTGGAC
63901	AGGGACAGTC	TCTATGTCAA	TGGTTTCACA	CAGCGGAGCT	CTGTGCCCAC
63951	CACTAGCATT	CCTGGGACCC	CCACAGTGGA	CCTGGGAACA	TCTGGGACTC
64001	CAGTTTCTAA	ACCTGGTCCC	TCGGCTGCCA	GCCCTCTCCT	GGTGCTATTC
64051	ACTCTCAACT	TCACCATCAC	CAACCTGCGG	TATGAGGAGA	ACATGCAGCA
64101	CCCTGGCTCC	AGGAAGTTCA	ACACCACGGA	GAGGGTCCTT	CAGGGCCTGC
64151	TCAGGTCCCT	GTTCAAGAGC	ACCAGTGTTG	GCCCTCTGTA	CTCTGGCTGC
64201	AGACTGACTT	TGCTCAGGCC	TGAAAAGGAT	GGGACAGCCA	CTGGAGTGGA
64251	TGCCATCTGC	ACCCACCACC	CTGACCCCAA	AAGCCCTAGG	CTGGACAGAG
64301	AGCAGCTGTA	TTGGGAGCTG	AGCCAGCTGA	CCCACAATAT	CACTGAGCTG
64351	GGCCACTATG	CCCTGGACAA	CGACAGCCTC	TTTGTCAATG	GTTTCACTCA
64401	TCGGAGCTCT	GTGTCCACCA	CCAGCACTCC	TGGGACCCCC	ACAGTGTATC
64451	TGGGAGCATC	TAAGACTCCA	GCCTCGATAT	TTGGCCCTTC	AGCTGCCAGC
64501	CATCTCCTGA	TACTATTAC	CCTCAACTTC	ACCATCACTA	ACCTGCGGTA
64551	TGAGGAGAAC	ATGTGGCCTG	GCTCCAGGAA	GTTCAACACT	ACAGAGAGGG
64601	TCCTTCAGGG	CCTGCTAAGG	CCCTTGTTCA	AGAACACCAG	TGTTGGCCCT
64651	CTGTACTCTG	GCTCCAGGCT	GACCTTGCTC	AGGCCAGAGA	AAGATGGGGA
64701	AGCCACCGGA	GTGGATGCCA	TCTGCACCCA	CCGCCCTGAC	CCCACAGGCC
64751	CTGGGCTGGA	CAGAGAGCAG	CTGTATTGG	AGCTGAGCCA	GCTGACCCAC
64801	AGCATCACTG	AGCTGGGCCC	CTACACACTG	GACAGGGACA	GTCTCTATGT
64851	CAATGGTTTC	ACCCATCGGA	GCTCTGTACC	CACCACCAGC	ACCGGGGTGG
64901	TCAGCGAGGA	GCCATTACAA	CTGAACTTCA	CCATCAACAA	CCTGCGCTAC
64951	ATGGCGGACA	TGGGCCAACC	CGGCTCCCTC	AAGTTCAACA	TCACAGACAA

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

65001	CGTCATGAAG	CACCTGCTCA	GTCCTTTGTT	CCAGAGGAGC	AGCCTGGGTG
65051	CACGGTACAC	AGGCTGCAGG	GTCATCGCAC	TAAGGTCTGT	GAAGAACGGT
65101	GCTGAGACAC	GGGTGGACCT	CCTCTGCACC	TACCTGCAGC	CCCTCAGCGG
65151	CCCAGGTCTG	CCTATCAAGC	AGGTGTTCCA	TGAGCTGAGC	CAGCAGACCC
65201	ATGGCATCAC	CCGGCTGGGC	CCCTACTCTC	TGGACAAAGA	CAGCCTCTAC
65251	CTTAACGGTT	ACAATGAACC	TGGTCTAGAT	GAGCCTCCTA	CAACTCCCAA
65301	GCCAGCCACC	ACATTCCTGC	CTCCTCTGTC	AGAAGCCACA	ACAGCCATGG
65351	GGTACCACCT	GAAGACCCTC	ACACTCAACT	TCACCATCTC	CAATCTCCAG
65401	TATTCACCAG	ATATGGGCAA	GGGCTCAGCT	ACATTCAACT	CCACCGAGGG
65451	GGTCCTTCAG	CACCTGCTCA	GACCCTTGTT	CCAGAAGAGC	AGCATGGGCC
65501	CCTTCTACTT	GGGTTGCCAA	CTGATCTCCC	TCAGGCCTGA	GAAGGATGGG
65551	GCAGCCACTG	GTGTGGACAC	CACCTGCACC	TACCACCCTG	ACCCTGTGGG
65601	CCCCGGGCTG	GACATACAGC	AGCTTTACTG	GGAGCTGAGT	CAGCTGACCC
65651	ATGGTGTAC	CCAACTGGGC	TTCTATGTCC	TGGACAGGGA	TAGCCTCTTC
65701	ATCAATGGCT	ATGCACCCCA	GAATTTATCA	ATCCGGGGCG	AGTACCAGAT
65751	AAATTTCCAC	ATTGTCAACT	GGAACCTCAG	TAATCCAGAC	CCCACATCCT
65801	CAGAGTACAT	CACCCTGCTG	AGGGACATCC	AGGACAAGGT	CACCACACTC
65851	TACAAAGGCA	GTCAACTACA	TGACACATTC	CGCTTCTGCC	TGGTCACCAA
65901	CTTGACGATG	GACTCCGTGT	TGGTCACTGT	CAAGGCATTG	TTCTCCTCCA
65951	ATTTGGACCC	CAGCCTGGTG	GAGCAAGTCT	TTCTAGATAA	GACCCTGAAT
66001	GCCTCATTC	ATTGGCTGGG	CTCCACCTAC	CAGTTGGTGG	ACATCCATGT
66051	GACAGAAATG	GAGTCATCAG	TTTATCAACC	AACAAGCAGC	TCCAGCACCC
66101	AGCACTTCTA	CCTGAATTTT	ACCATCACCA	ACCTACCATA	TTCCCAGGAC
66151	AAAGCCCAGC	CAGGCACCAC	CAATTACCAG	AGGAACAAAA	GGAATATTGA
66201	GGATGCGCTC	AACCAACTCT	TCCGAAACAG	CAGCATCAAG	AGTTATTTTT

Table 4 (continued)

Human cDNA of CA125
(SEQ ID NO: 4)

66251 CTGACTGTCA AGTTTCAACA TTCAGGTCTG TCCCCAACAG GCACCACACC
66301 GGGGTGGACT CCCTGTGTAA CTTCTCGCCA CTGGCTCGGA GAGTAGACAG
66351 AGTTGCCATC TATGAGGAAT TTCTGCGGAT GACCCGGAAT GGTACCCAGC
66401 TGCAGAACTT CACCCTGGAC AGGAGCAGTG TCCTTGTGGA TGGGTATTCT
66451 CCCAACAGAA ATGAGCCCTT AACTGGGAAT TCTGACCTTC CCTTCTGGGC
66501 TGTATCCTC ATCGGCTTGG CAGGACTCCT GGGACTCATC ACATGCCTGA
66551 TCTGCGGTGT CCTGGTGACC ACCCGCCGGC GGAAGAAGGA AGGAGAATAC
66601 AACGTCCAGC AACAGTGCCC AGGCTACTAC CAGTCACACC TAGACCTGGA
66651 GGATCTGCAA TGACTGGAAC TTGCCGGTGC CTGGGGTGCC TTTCCCCCAG
66701 CCAGGGTCCA AAGAAGCTTG GCTGGGGCAG AAATAAACCA TATTGGTCGG
66751 AAAAAAAAAA AAAAA

Table 5

Human Protein of CA125 Molecule
(SEQ ID NO: 5)

1	MLKPSGLPGS	SSPTRSLMTG	SRSTKATPEM	DSGLTGATLS	PKTSTGAIVV
51	TEHTLPFTSP	DKTLASPTSS	VVGRTTQSLG	VMSSALPEST	SRGMTHSEQR
101	TSPSLSPQVN	GTPSRNYPAT	SMVSGLSSPR	TRTSSTEGNF	TKEASTYTLT
151	VETTSGPVTE	KYTVPTETST	TEGDSTETPW	DTRYIPVKIT	SPMKTFADST
201	ASKENAPVSM	TPAETTVTDS	HTPGRTNPSF	GTLYSSFLDL	SPKGTPNSRG
251	ETSLELILST	TGYPFSSPEP	GSAGHSRIST	SAPLSSSASV	LDNKISETSI
301	FSGQSLTSPL	SPGVPEARAS	TMPNSAIPFS	MTLSNAETSA	ERVRSTISSL
351	GTPSISTKQT	AETILTFHAF	AETMDIPSTH	IAKTLASEWL	GSPGTLGGTS
401	TSALTTTSPS	TTLVSEETNT	HHSTSGKETE	GTLNTSMTPL	ETSAPGEESE
451	MTATLVPTLG	FTTLDSKIRS	PSQVSSSHPT	RELRTTGSTS	GRQSSSTA AH
501	GSSDILRATT	SSTSKASSWT	SESTAQQFSE	PQHTQWVETS	PSMKTERPPA
551	STSVAAPITT	SVPSVVS GFT	TLKTSSTKGI	WLEETSADTL	IGESTAGPTT
601	HQFAVPTGIS	MTGGSSTRGS	QGTTHLLTRA	TASSETSADL	TLATNGVPVS
651	VSPAVSKTAA	GSSPPGGTKP	SYTMVSSVIP	ETSSLQSSAF	REGTSLGLTP
701	LNTRHPFSSP	EPDSAGHTKI	STSIPLLSSA	SVLEDKVSAT	STFSHHKATS
751	SITTGTPEIS	TKTKPSSAVL	SSMTLSNAAT	SPERVRNATS	PLTHPSPSGE
801	ETAGSVLTLS	TSAETTDSPN	IHPTGTLTSE	SSESPSTLSL	PSVSGVKTTF
851	SSSTPSTHLF	TSGEETEETS	NPSVSQPETS	VSRVRTTLAS	TSVPTPVFPT
901	MDTWPTRSAQ	FSSSHLVSEL	RATSSTSVTN	STGSALPKIS	HLTGTATMSQ
951	TNRDTFNDSA	APQSTTWPET	SPRFKTGLPS	ATTTVSTSAT	SLSATVMVSK
1001	FTSPATSSME	ATSIREPSTT	ILTTETTNGP	GSM AVASTNI	PIGKYITEG
1051	RLDTSHLPIG	TTASSETSM D	FTMAKESVSM	SVSPSQSMDA	AGSSTPGRTS
1101	QFVDTFSDDV	YHLTSREITI	PRDGTSSALT	PQMTATHPPS	PDPGSARSTW
1151	LGILSSSPSS	PTPKVTMSST	FSTQRVTTSM	IMDTVETSRW	NMPNLPSTTS
1201	LTPSNIPTSG	AIGKSTLVPL	DTPSPATSLE	ASEGGLPTLS	TYPESTNTPS

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
1251	IHLGAHASSE	SPSTINLTMA	SVVKPGSYTP	LTFPSIETHI	HVSTARMAYS
1301	SGSSPEMTAP	GETNTGSTWD	PTTYITTTDP	KDTSSAQVST	PHSVRTLRTT
1351	ENHPKTESAT	PAAYSGSPKI	SSSPNLTSPA	TKAWTITDIT	EHSTQLHYTK
1401	LAEKSSGFET	QSAPGPVSVV	IPTSPTIGSS	TLELTSDVPG	EPLVLAPSEQ
1451	TTITLPMATW	LSTSLTEEMA	STDLDISSPS	SPMSTFAIFP	PMSTPSHEL
1501	KSEADTSAIR	NTDSTTLDQH	LGIRSLGRTG	DLTTVPITPL	TTTWTSVIEH
1551	STQAQDTLSA	TMSPTHVTQS	LKDQTSIPAS	ASPSHLTEVY	PELGTQGRSS
1601	SEATTFWKPS	TDTLSREIET	GPTNIQSTPP	MDNTTGSSS	SGVTLGIAHL
1651	PIGTSSPAET	STNMALERRS	STATVSMAGT	MGLLVTSAPG	RSISQSLGRV
1701	SSVLSESTTE	GVTDSSKGSS	PRLNTQGNTA	LSSSLEPSYA	EGSQMSTSIP
1751	LTSSPTTPDV	EFIGGSTFWT	KEVTTVMTSD	ISKSSARTES	SSATLMSTAL
1801	GSTENTGKEK	LRTASMDLPS	PTPSMEVTPW	ISLTLSNAPN	TTDSLDSLHG
1851	VHTSSAGTLA	TDRSLNTGVT	RASRLENGSD	TSSKSLSMGN	STHTSMTDTE
1901	KSEVSSSIHP	RPETSAPGAE	TTLTSTPGNR	AISSLTPFSS	IPVEEVISTG
1951	ITSGPDINSA	PMTHSPITPP	TIVWTSTGTI	EQSTQPLHAV	SSEKVSVQTQ
2001	STPYVNSVAV	SASPTHENSV	SSGSSTSSPY	SSASLES LDS	TISRRNAITS
2051	WLWDLTTSLP	TTTWPSTSLS	EALSSGHSGV	SNPSSTTTEF	PLFSAASTSA
2101	AKQRNPETET	HGPQNTAAST	LNTDASSVTG	LSETPVGASI	SSEVPLPMAI
2151	TSRSDVSGLT	SESTANPSLG	TASSAGTKLT	RTISLPTSES	LVSFRMNKDP
2201	WTVSIPLGSH	PTTNTETSIP	VNSAGPPGLS	TVASDVIDTP	SDGAESIPTV
2251	SFSPSPDTEV	TTISHFPEKT	THSFRTISSL	THELTSRVTP	IPGDWMSSAM
2301	STKPTGASPS	ITLGERRTIT	SAAPTTSPIV	LTASFTETST	VSLDNETTVK
2351	TSDILDARKT	NELPSDSSSS	SDLINTSIAS	STMDVTKTAS	ISPTSISGMT
2401	ASSSPSLFSS	DRPQVPTSTT	ETNTATSPSV	SSNTYSLDGG	SNVGCTPSTL
2451	PPFTITHPVE	TSSALLAWSR	PVRTFSTMVS	TDITASGENPT	SSNSVVTSPV

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
2501	APGTWASVGS	TTDLPAMGFL	KTSPAGEAHS	LLASTIEPAT	AFTPHLSAAV
2551	VTGSSATSEA	SLLTTSESKA	IHSSPQTPTT	PTSGANWETS	ATPESLLVVT
2601	ETSDTTLTSK	ILVTDTILFS	TVSTPPSKFP	STGTLSGASF	PTLLPDTPAI
2651	PLTATEPTSS	LATSFDDSTPL	VTIASDSLGT	VPETTLTMSE	TSNGDALVLK
2701	TVSNPDRSIP	GITIQGVTES	PLHPSSTSPS	KIVAPRNTTY	EGSITVALST
2751	LPAGTTGSLV	FSQSSENSET	TALVDSSAGL	ERASVMPLTT	GSQGMASGG
2801	IRSGSTHSTG	TKTFSSLPLT	MNPGEVTAMS	EITTNRLTAT	QSTAPKGIPV
2851	KPTSAESGLL	TPVSASSSPS	KAFASLTAP	PSTWGIPQST	LTFEFSEVPS
2901	LDTKSASLPT	PGQSLNTIPD	SDASTASSSL	SKSPEKNPRA	RMMTSTKAIS
2951	ASSFQSTGFT	ETPEGSASPS	MAGHEPRVPT	SGTGDPRIAS	ESMSYPDPK
3001	ASSAMTSTSL	ASKLTTLFST	GQAARSGSSS	SPISLSTEKE	TSFLSPTAST
3051	SRKTSFLGFP	SMARQPNILV	HLQTSALTLS	PTSTLNMSQE	EPELTSSQT
3101	IAEEEGTTAE	TQTLTFTPSE	TPTSLLPVSS	PTEPTARRKS	SPETWASSIS
3151	VPAKTSLVET	TDGTLVTTIK	MSSQAAQGNS	TWPAPAEETG	TSPAGTSPGS
3201	PEVSTTLKIM	SSKEPSISPE	IRSTVRNSPW	KTPETTVPME	TTVEPVTLQS
3251	TALGSGSTSI	SHLPTGTTSP	TKSPTEMLA	TERVSLSPSP	PEAWTNLYSG
3301	TPGGTRQSLA	TMSSVSLESP	TARSITGTGQ	QSSPELVSKT	TGMEFSMWHG
3351	STGGTTGDTH	VSLSTSSNIL	EDPVTSPNSV	SSLTDKSKHK	TETWVSTTAI
3401	PSTVLNNKIM	AAEQQTSRSV	DEAYSSTSSW	SDQTSGSDIT	LGASPDVTNT
3451	LYITSTAQTT	SLVSLPSGDQ	GITSLTNPSG	GKTSSASSVT	SPSIGLETLR
3501	ANVSAVKSDI	APTAGHLSQT	SSPAEVSILD	VTTAPTPGIS	TTITTMGTNS
3551	ISTTTPNPEV	GMSTMDSTPA	TERRTTSTEH	PSTWSSTAAS	DSWTVTDMTS
3601	NLKVARSPGT	ISTMHTTSFL	ASSTELDSMS	TPHGRITVIG	TSLVTPSSDA
3651	SAVKTTETSTS	ERTLSPSDTT	ASTPISTFSR	VQRMSISVPD	ILSTSWTPSS
3701	TEAEDVPVSM	VPTDHASTKT	DPNTPLSTFL	FDSLSTLDWD	TGRSLSSATA

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
3751	TTSAPQGATT	PQELTLETMI	SPATSQLPFS	IGHITSAVTP	AAMARSSGVT
3801	FSRPDPTSKK	AEQTSTQLPT	TTSAHPGQVP	RSAATTLDVI	PHTAKTPDAT
3851	FQRQGQTALT	TEARATSDSW	NEKEKSTPSA	PWITEMMNSV	SEDTIKEVTS
3901	SSSVLKDPEY	AGHKLGIWDD	FIPKFGKAAH	MRELPLLSP	QDKEAIHPST
3951	NTVETTGWVT	SSEHASHSTI	PAHSASSKLT	SPVVTTSTRE	QAIVSMSTTT
4001	WPESTRARTE	PNSFLTIELR	DVSPYMDTSS	TTQTSIISSP	GSTAITKGHR
4051	TEITSYKRIS	SSFLAQSMRS	SDSPSEAITR	LSNFPAMTES	GGMILAMQTS
4101	PPGATSIAP	TLDTSATASW	TGTPLATTQR	FTYSEKTLF	SKGREDTSQP
4151	SPPCVEETSS	SSSVVPIHAT	TSPSNILLTS	QGHSPSSTPP	VTSVFLSETS
4201	GLGKTTDMSR	ISLEPGTSLP	PNLSSTAGEA	LSTYEASRDT	KAIHHSADTA
4251	VTNMEATSSE	YSPIPGHTKP	SKATSPLVTS	HIMGDITSST	SVFGSSETTE
4301	IETVSSVNQG	LQERSTSQVA	SSATETSTVI	THVSSGDATT	HVTKTQATFS
4351	SGTSISSPHQ	FITSTNTFTD	VSTNPSTSLI	MTESSGVTIT	TQTGPTGAAT
4401	QGPYLLDTST	MPYLTETPLA	VTPDFMQSEK	TTLISKGPKD	VTWTSPPSVA
4451	ETSYPSLTP	FLVTTIPPAT	STLQGQHTSS	PVSATSVLTS	GLVKTTDMLN
4501	TSMEPVTNSP	QNLNPNSEI	LATLAATTDI	ETIHPSINKA	VTNMGTAASA
4551	HVLHSTLPVS	SEPSTATSPM	VPASSMGDAL	ASISIPGSET	TDIEGEPTSS
4601	LTAGRKENST	LQEMNSTTES	NIILSNVSVG	AITEATKMEV	PSFDATFIPT
4651	PAQSTKFPDI	FSVASSRLSN	SPPMTISTHM	TTTQTGSSGA	TSKIPLALDT
4701	STLETSAGTP	SVVTEGFAHS	KITTAMNNDV	KDVSQTNPPF	QDEASSPSSQ
4751	APVLVTTLPS	SVAFTPWHS	TSSPVSMSSV	LTSSLVKTAG	KVDTSLETVT
4801	SSPQSMSNTL	DDISVTSAA	TDIETTHPSI	NTVVTVNGTT	GSAFESHSTV
4851	SAYPEPSKVT	SPNVTTSTME	DTTISRIPK	SSKTTTETETE	TTSSLTPKLR
4901	ETSIQEIITS	STETSTVPYK	ELTGATTEVS	RTDVTSSSST	SFPGPDQSTV
4951	SLDISTETNT	RLSTSPIMTE	SAEITITTQT	GPHGATSQDT	FTMDPSNTTP

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
5001	QAGIHSAMTH	GFSQLDVTTL	MSRIPQDVSW	TSPPSVDKTS	SPSSFLSSPA
5051	MTTPSLISST	LPEDKLSSPM	TSLLTSGLVK	ITDILRTRLE	PVTSSLPNFS
5101	STSDKILATS	KDSKDTKEIF	PSINTEETNV	KANNSGHESH	SPALADSETP
5151	KATTQMVITT	TVGDPAPSTS	MPVHGSSETT	NIKREPTYFL	TPRLRETSTS
5201	QESSFPTDTS	FLLSKVPTGT	ITEVSSTGVI	SSSKISTPDH	DKSTVPPDTF
5251	TGEIPRVFTS	SIKTKSAEMT	ITTQASPPES	ASHSTLPLDT	STTLSQGGTH
5301	STVSQGFPYS	EVTTLMGMP	GNVSWMTTPP	VEETSSVSSL	MSSPAMTSPS
5351	PVSSTSPQSI	PSSPLPVTAL	PTSVLVTTTD	VLGTTSPESV	TSSPPNLSSI
5401	THERPATYKD	TAHTEAAMHH	STNTAVTNVG	TSGSGHKSQS	SVLADSETSK
5451	ATPLMSTAST	LGDTSVSTST	PNISQTNQIQ	TEPTASLSPR	LRESSTSEKT
5501	SSTTETNTAF	SYVPTGAIQ	ASRTEISSSR	TSISDLDRST	IAPDISTGMI
5551	TRLFTSPIMT	KSAEMTVTTQ	TTTPGATSQG	ILPWDTSTTL	FQGGTHSTVS
5601	QGFPHSEITT	LRSRTPGDVS	WMTTPPVEET	SSGFSLMSPS	MTSPSPVSST
5651	SPESIPSSPL	PVTALLTSVL	VTTTNVLGTT	SPEPVTSSPP	NLSSPTQERL
5701	TTYKDTAHE	AMHASMHTNT	AVANVGTSIS	GHESQSSVPA	DSHTSKATSP
5751	MGITFAMGDT	SVYTSTPAFF	ETRIQSESTS	SLIPGLRDTR	TSEEINTVTE
5801	TSTVLSEVPT	TTTTEVSRTE	VITSSRTTIS	GPDHSMSPY	ISTETITRLS
5851	TEPFVTGSTE	MAITNQTGPI	GTISQATLTL	DTSSSTASWEG	THSPVTQRFP
5901	HSEETTTMSR	STKGVSWQSP	PSVEETSSPS	SPVPLPAITS	HSSLYSAVSG
5951	SSPTSALPVT	SLLTSGRRKT	IDMLDTHSEL	VTSSLPSASS	FSGEILTSEA
6001	STNTETIHFS	ENTAETNMGT	TNSMHKLHSS	VSIHSQPSGH	TPPKVTGSMM
6051	EDAIVSTSTP	GSPETKNVDR	DSTSPLTPEL	KEDSTALVMN	STTESNTVFS
6101	SVSLDAAATEV	SRAEVYYYP	TFMPASAQST	KSPDISPEAS	SSHNSNPPLT
6151	ISTHKTIATQ	TGPGSVTSLG	QLTLDTSTIA	TSAGTPSART	QDFVDSETTS
6201	VMNNDLNDVL	KTSPFSAEEA	NSLSSQAPLL	VTTSPSPVTS	TLQEHSTSSL

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
6251	VSVTSVPTPT	LAKITDMDTN	LEPVTRSPQN	LRNTLATSEA	TTDTHTMHPS
6301	INTAMANVGT	TSSPNEFYFT	VSPDSDPYKA	TSAVVITSTS	GDSIVSTSMF
6351	RSSAMKKIES	ETTFSLIFRL	RETSTSQKIG	SSSDTSTVFD	KAFTAATTEV
6401	SRTELTSSSR	TSIQGTEKPT	MSPDTSTRSV	TMLSTFAGLT	KSEERTIATQ
6451	TGPHRATSQG	TLTWDTSITT	SQAGTHSAMT	HGFSQLDLST	LTSRVPEYIS
6501	GTSPPSVEKT	SSSSSLSLP	AITSPSPVPT	TLPESRPSSP	VHLTSLPTSG
6551	LVKTTDMLAS	VASLPPNLGS	TSHKIPTTSE	DIKDTEKMYP	STNIAVTNVG
6601	TTTSEKESYS	SVPAYSEPPK	VTSPMVTSTN	IRDTIVSTSM	PGSSEITRIE
6651	MESTFSLAHG	LKGTSTSQDP	IVSTEKSAVL	HKLTTGATET	SRTEVASSRR
6701	TSIPGPDHST	ESPDISTEVI	PSLPISLGIT	ESSNMTIITR	TGPPLGSTSQ
6751	GTFTLDTPPT	SSRAGTHSMA	TQEFPHSEMT	TVMNKDPEIL	SWTIPPSIEK
6801	TSFSSSLMPS	PAMTSPPVSS	TLPKTIHTTP	SPMTSLLTPS	LVMTTDTLGT
6851	SPEPTTSSPP	NLSSTSHVIL	TTDEDTTAIE	AMHPSTSTAA	TNVETTCSGH
6901	GSQSSVLTD	EKTATAPMD	TTSTMGHSTV	STSMVSSET	TKIKRESTYS
6951	LTPGLRETSI	SQNASFSTD	SIVLSEVPTG	TTAEVSRTEV	TSSGRTSIPG
7001	PSQSTVLPEI	STRMTLRLFA	SPTMTESAEM	TIPTQTGPSG	STSQDTLTLD
7051	TSTTKSQAKT	HSTLTQRFPH	SEMTTLMSRG	PGDMSWQSSP	SLENPSSLPS
7101	LLSLPATTSP	PPISSTLPVT	ISSSLPVTS	LLTSSPVTTT	DMLHTSPELV
7151	TSSPPKLSHT	SDERLTTGKD	TTNTEAVHPS	TNTAASNVEI	PSFGHESPSS
7201	ALADSETSKA	TSPMFITSTQ	EDTTVAISTP	HFLETSRIQK	ESISSLSPKL
7251	RETGSSVETS	SAIETSAVLS	EVSIGATTEI	SRTEVTSSSR	TSISGSAEST
7301	MLPEISTTRK	IIKFPTSPIL	AESSEMTIKT	QTSPPGSTSE	STFTLDTSTT
7351	PSLVITHSTM	TQRLPHSEIT	TLVSRGAGDV	PRPSSLPVEE	TSPSSQLSL
7401	SAMISPSPVS	STLPASSHSS	SASVTSPLTP	GQVKTTEVLD	ASAEPTSSP
7451	PSLSSTSVEI	LATSEVTTDT	EKIHPFPNTA	VTKVGTSSSG	HESPSSVLDP

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
7501	SETTKATSAM	GTISIMGDTs	VSTLTPALSN	TRKIQSEPAS	SLTTRLRETS
7551	TSEETSLATE	ANTVLskVST	GATTEVSRTE	AISFSRTSMS	GPEQSTMSQD
7601	ISIGTIPRIS	ASSVLTESAK	MTITTQTGPS	ESTLESTLNL	NTATTPSWVE
7651	THSIVIQGFP	HPemTTSMGR	GPGGVSWPSP	PFVKETSPPS	SPLSLPAVTS
7701	PHPVSTTFLA	HIPPSPLPVT	SLLTSGPATT	TDILGTSTEP	GTSSSSSLST
7751	TSHERLTTYK	DTAhteAVHP	STNTGGTNVA	TTSSGYKSQS	SVLADSSPMC
7801	TTSTMGDTSV	LTSTPAFLET	RRIQTElASS	LTPGLRESSG	SEGTSsGTKM
7851	STVLskVPTG	ATTEISKEDV	TSIPGPAQST	ISPDTSTRTV	SWFSTSPVMT
7901	ESAEITMNTH	TSPLGATTQg	TSTLDTSSTT	SLTMTHSTIS	QGFSHSQMST
7951	LMRRGPEDVS	WMSPPLLEKT	RPSFSLMSSP	ATTSPSPVSS	TLPEsISSSP
8001	LPVTSLLTSG	LAKTTDMLHK	SSEPVTNSPA	NLSSTSVEIL	ATSEVTTDTE
8051	KTHPSSNRTV	TDVGTSSSGH	ESTSFVLADS	QTSKVTSPMV	ITSTMEDTSV
8101	STSTPGFFET	SRIQTEPTSS	LTLGLRKTSS	SEGTSLATEM	STVLsgVPTG
8151	ATAEVSRTEV	TSSSRTSISG	FAQLTVSPET	STETITRLPT	SSIMTESAEM
8201	MIKTQTDPPG	STPESTHTVD	ISTTPNWVET	HSTVTQRFSH	SEM TTLVSRS
8251	PGDMLWPSQS	SVEETSSASS	LLSLPATTSP	SPVSSTLVED	FPSASLPVTS
8301	LLTPGLVITT	DRMGISREPG	TSSTSNLSST	SHERLTTLED	TVDTEAMQPS
8351	THTAVTNVRT	SISGHESQSS	VLSDSETPKA	TSSMGTTYTM	GETSVSISTS
8401	DFFETSRVQI	EPTSSLTSGL	RETSSSERIS	SATEGSTVLS	EVPSGATTEV
8451	SRTEVISSRG	TMSGPDQFT	ISPDISTEAI	TRLSTSPIMT	ESAESAItIE
8501	TGSPGATSEG	TLTLDTSTTT	FWSGTHSTAS	PGFSHSEM TT	LMSRTPGDVP
8551	WPSLPsVEEA	SSVSSSLSSP	AMTSTSFFSA	LPESISSSPH	PVTALLTLGP
8601	VKTTDMLRTS	SEPETSSPPN	LSSTSAEILA	TSEVTKDREK	IHPSSNTPVV
8651	NVGTVIYKHL	SPSSVLADLV	TTKPTSPMAT	TSTLGNTSVS	TSTPAFPETM
8701	MTQPTSSLTS	GLREISTSQE	TSSATERSAS	LSGMPTGATT	KVSRTEALSL

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
8751	GRTSTPGPAQ	STISPEISTE	TITRISTPLT	TTGSAEMTIT	PKTGHSGASS
8801	QGTFTLDTSS	RASWPGTHSA	ATHRSPHSGM	TTPMSRGPED	VSWPSRPSVE
8851	KTSPSSLVS	LSAVTSPSPL	YSTPSESSH	SPLRVTSLFT	PVMMKTTDML
8901	DTSLEPVTT	PPSMNITSDE	SLATSKATME	TEAIQLSENT	AVTQMGITSA
8951	RQEFYSSYPG	LPEPSKVTSP	VVTSSTIKDI	VSTTIPASSE	ITRIEMESTS
9001	TLTPTPRETS	TSQEIHSATK	PSTVPYKALT	SATIEDSMTQ	VMSSSRGPSP
9051	DQSTMSQDIS	TEVITRLSTS	PIKAESTEMT	ITTQTGSPGA	TSRGTLTLD
9101	STTFMSGTHS	TASQGFSHSQ	MTALMSRTPG	DVPWLSHPSV	EEASSASFSL
9151	SSPVMTSSSP	VSSTLPDSIH	SSSLPVTSL	TSGLVKTTTEL	LGTSSEPETS
9201	SPPNLSSTSA	EILATTEVTT	DTEKLEMTNV	VTSGYTHESP	SSVLADSVTT
9251	KATSSMGITY	PTGDTNVLTS	TPAFSDTSRI	QTKSKLSLTP	GLMETSISEE
9301	TSSATEKSTV	LSSVPTGATT	EVSRTAIAIS	SRTSIPGPAQ	STMSSDTSME
9351	TITRISTPLT	RKESTDMAIT	PKTGPSGATS	QGTFTLDSSS	TASWPGTHSA
9401	TTQRFPQSVV	TTPMSRGPED	VSWPSPLSVE	KNSPSSLVS	SSSVTSPSPL
9451	YSTPSGSSH	SPVPVTSLFT	SIMMKATDML	DASLEPETTS	APNMNITSDE
9501	SLATSKATTE	TEAIHVFENT	AASHVETTS	TEELYSSSPG	FSEPTKVISP
9551	VVTSSSIRDN	MVSTTMPGSS	GITRIEIESM	SSLTPGLRET	RTSQDITSST
9601	ETSTVLYKMS	SGATPEVSRT	EVMPSSRTSI	PGPAQSTMSL	DISDEVVTRL
9651	STSPIMTESA	EITITTQTGY	SLATSQVTLP	LGTSMTFLSG	THSTMSQGLS
9701	HSEMNLMSR	GPESLSWTSP	RFVETTRSSS	SLTSLPLTTS	LSPVSSTLLD
9751	SSPSSPLPVT	SLILPGLVKT	TEVLDTSSEP	KTSSSPNLSS	TSVEIPATSE
9801	IMTDTEKIHP	SSNTAVAKVR	TSSSVHESH	SVLADSETTI	TIPSMGITSA
9851	VDDTTVFTSN	PAFSETRRIP	TEPTFSLTPG	FRETSTSEET	TSITETSAVL
9901	YGVPTSATTE	VSMTEIMSSN	RTHIPDSDQS	TMSPDIITEV	ITRLSSSSMM
9951	SESTQMTITT	QKSSPGATAQ	STLTLATTTA	PLARTHSTVP	PRFLHSEMTT

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
10001	LMSRSPENPS	WKSSPFVEKT	SSSSSLLSLP	VTTSPSVSST	LPQSIPSSSF
10051	SVTSLLTSGM	VKTTDTSTEP	GTSLSPNLST	TSVEILAASE	VTTDTEKIHP
10101	SSSMAVTNNG	TTSSGHELYS	SVSIHSEPSK	ATYPVGTPTS	MAETSISTSM
10151	PANFETTGF	AEPFSLTSG	FRKTNMSLDT	SSVTPTNTPS	SPGSTHLLQS
10201	SKTDFTSSAK	TSSPDWPPAS	QYTEIPVDII	TPFNASPSIT	ESTGITSFPE
10251	SRFTMSVTES	THHLSTDLLP	SAETISTGTG	MPSLSEAMTS	FATTGVPRAI
10301	SGSGSPFSRT	ESGPGDATLS	TIAESLPSST	PVPFSSSTFT	TTDSSTIPAL
10351	HEITSSSATP	YRVDTSLGTE	SSTTEGRLVM	VSTLDTSSQP	GRTSSTPILD
10401	TRMTESVELG	TVTSAYQVPS	LSTRLTRTDG	IMEHITKIPN	EAAHRGTIRP
10451	VKGPQTSTSP	ASPKGLHTGG	TKRMETTTTA	LKTTTTALKT	TSRATLTTSV
10501	YTPTLGLTLP	LNASRQMAST	ILTEMMITTP	YVFPDVPETT	SSLATSLGAE
10551	TSTALPRTTP	SVLNRESETT	ASLVSRSGAE	RSPVIQTLDV	SSSEPDTTAS
10601	WVIHPAETIP	TVSKTTPNFF	HSELDTVSST	ATSHGADVSS	AIPTNISPS
10651	LDALTPLVTI	SGTDTSTTFP	TLTKSPHETE	TRTTWLTHPA	ETSSTIPRTI
10701	PNFSHHESDA	TPSIATSPGA	ETSSAIPIMT	VSPGAEDLVT	SQVTSSGTD
10751	NMTIPTLTLS	PGEPKTIASL	VTHPEAQTS	AIPTSTISPA	VSRLVTSMT
10801	SLAAKTSTTN	RALTNSPGEP	ATTVSLVTHP	AQTSPTVPWT	TSIFFHKS
10851	TTPSMTTSHG	AESSSAVPTP	TVSTEVPGVV	TPLVTSSRAV	ISTTIPILTL
10901	SPGEPETTPS	MATSHGEEAS	SAIPTPTVSP	GVPGVVTSLV	TSSRAVTST
10951	IPILTFSLGE	PETTPSMATS	HGTEAGSAVP	TVLPEVPGMV	TSLVASSRAV
11001	TSTTLPTLTL	SPGEPETTPS	MATSHGAEAS	STVPTVSPEV	PGVVTSLVTS
11051	SSGVNSTSIP	TLILSPGELE	TTPSMATSHG	AEASSAVPTP	TVSPGVSGVV
11101	TPLVTSSRAV	TSTTIPILTL	SSSEPETTPS	MATSHGVEAS	SAVLTVSPEV
11151	PGMVTSVLTS	SRAVTSTTIP	TLTISSDEPE	TTTSLVTHSE	AKMISAIPTL
11201	AVSPTVQGLV	TSLVTSSGSE	TSAFSNLTVA	SSQPETIDSW	VAHPGTEASS

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
11251	VVPTLTVSTG	EPFTNISLVT	HPAESSSTLP	RTTSRFSHSE	LDTMPSTVTS
11301	PEAESSSAIS	TTISPGIPGV	LTSLVTSSGR	DISATFPTVP	ESPHSEATA
11351	SWVTHPAVTS	TTVPRTTPNY	SHSEPDTTPS	IATSPGAEAT	SDFPTITVSP
11401	DVPDMVTSQV	TSSGTDTSIT	IPTLTLSSGE	PETTTSFITY	SEHTTSSAIP
11451	TLPVSPGASK	MLTSLVISSG	TDSTTTFPTL	TETPYEPETT	AIQLIHPAET
11501	NTMVPRTTPK	FSHSKSDTTL	PVAITSPGPE	ASSAVSTTTI	SPDMSDLVTS
11551	LVPSSGTDTS	TTFPTLSETP	YEPETTATWL	THPAETSTTV	SGTIPNFSHR
11601	GSDTAPSMVT	SPGVDTRSGV	PTTTIPPSIP	GVVTSQVTSS	ATDTSTAIP
11651	LTPSPGEPET	TASSATHPGT	QTGFTVPIRT	VPSSEPDTMA	SWVTHPPQTS
11701	TPVSRRTSSF	SHSSPDATPV	MATSPRTEAS	SAVLTTISPG	APEMVTSQIT
11751	SSGAATSTTV	PTLTHSPGMP	ETTALLSTHP	RTETSKTFPA	STVFPQVSET
11801	TASLTIRPGA	ETSTALPTQT	TSSLFTLLVT	GTSRVDLSPT	ASPGVSAKTA
11851	PLSTHPGTET	STMIPTSTLS	LGLLETTGLL	ATSSSAETST	STLTLTVSPA
11901	VSGLSSASIT	TDKPQVTWS	NTETSPSVTS	VGPPEFSRTV	TGTTMTLIPS
11951	EMPTPPKTSH	GEGVSPTTIL	RTTMVEATNL	ATTGSSPTVA	KTTTTFNTLA
12001	GSLFTPLTTP	GMSTLASESV	TSRTSYNHR	WISTTSSYNR	RYWTPATSTP
12051	VTSTFSPGIS	TSSIPSSTAA	TVPFMVPFTL	NFTITNLQYE	EDMRHPGSRK
12101	FNATERELQG	LLKPLFRNSS	LEYLYSGCRL	ASLRPEKDSS	AMAVDAICTH
12151	RPDPEDLGLD	RERLYWELSN	LTNGIQELGP	YTLDNRNSLYV	NGFTHRSSMP
12201	TTSTPGTSTV	DVGTSCTPSS	SPSPTAAGPL	LMPFTLNFTI	TNLQYEEDMR
12251	RTGSRKFNTM	ESVLQGLLKP	LFKNTSVGPL	YSGCRLTLR	PEKDGAATGV
12301	DAICTHRLDP	KSPGLNREQL	YWELSKLTND	IEELGPYTLD	RNSLYVNGFT
12351	HQSSVSTTST	PGTSTVDLRT	SGTPSSLSSP	TIMAAGPLL	PFTLNFTITN
12401	LQYGEDMGHP	GSRKFNTTER	VLQGLLGPIF	KNTSVGPLY	GCRLTSLRSE
12451	KDGAATGVDA	ICIHHLDPKS	PGLNRERLYW	ELSQLTNGIK	ELGPYTLDNR

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
12501	SLYVNGFTHR	TSVPTSSTPG	TSTVDLGTSG	TPFSLPSPAT	AGPLLVLFTL
12551	NFTITNLKYE	EDMHRPGSRK	FNTTERVLQT	LLGPMFKNTS	VGLLYSGCRL
12601	TLLRSEKDGA	ATGVDAICTH	RLDPKSPGLD	REQLYWELSQ	LTNGIKELGP
12651	YTLDRNSLYV	NGFTHWIPVP	TSSTPGTSTV	DLGSGTPSSL	PSPTAAGPLL
12701	VPFTLNFTIT	NLQYEEDMH	PGSRKFNTTE	RVLQGLLGPM	FKNTSVGLLY
12751	SGCRLTLLRS	EKDGAATGVD	AICTHRLDPK	SPGVDREQLY	WELSQTNGI
12801	KELGPYTLD	NSLYVNGFTH	QTSAPNTSTP	GTSTVDLGTS	GTPSSLPSPT
12851	SAGPLLVPFT	LNFTITNLQY	EEDMRHPGSR	KFNTTERVLQ	GLLKPLFKST
12901	SVGPLYSGCR	LTLLRSEKDG	AATGVDAICT	HRLDPKSPGV	DREQLYWELS
12951	QLTNGIKELG	PYTLDNRSLY	VNGFTHQTSA	PNTSTPGTST	VDLGTSGTPS
13001	SLPSPTSAGP	LLVPFTLNFT	ITNLQYEEDM	HHPGSRKFNT	TERVLQGLLG
13051	PMFKNTSVGL	LYSGCRLTLL	RPEKNGAATG	MDAICSHRLD	PKSPGLNREQ
13101	LYWELSQTTH	GIKELGPYTL	DRNSLYVNGF	THRSSVAPTS	TPGTSTVDLG
13151	TSGTPSSLPS	PTTAVPLLVP	FTLNFTITNL	QYGEDMRHPG	SRKFNTTERV
13201	LQGLLGPLFK	NSSVGPLYSG	CRLISLRSEK	DGAATGVDAI	CTHHLNPQSP
13251	GLDREQLYWQ	LSQMTNGIKE	LGPYTLDRNS	LYVNGFTHRS	SGLTTSTPWT
13301	STVDLGTSGT	PSPVPSPPTA	GPLLVPFTLN	FTITNLQYEE	DMHRPGSRKF
13351	NATERVLQGL	LSPIFKNSSV	GPLYSGCRLT	SLRPEKDGA	TGMDAVCLYH
13401	PNPKRPGLDR	EQLYWELSQT	THNITELGPY	SLDRDSLYVN	GFTHQNSVPT
13451	TSTPGTSTVY	WATTGTPSSF	PGHTEPGPLL	IPFTFNFTIT	NLHYEENMQH
13501	PGSRKFNTTE	RVLQGLLKPL	FKNTSVGPLY	SGCRLTSLRP	EKDGAATGMD
13551	AVCLYHPNPK	RPGLDREQLY	CELSQLTHNI	TELGPYSLDR	DSLYVNGFTH
13601	QNSVPTTSTP	GTSTVYWATT	GTPSSFPGHT	EPGPLLIPFT	FNFTITNLHY
13651	EENMQHPGSR	KFNTTERVLQ	GLLKPLFKNT	SVGPLYSGCR	LTLLRPEKHE
13701	AATGVDTICT	HRVDPIGPGL	DRERLYWELS	QLTNSITELG	PYTLDLDSLY

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
13751	VNGFNPRSSV	PTTSTPGTST	VHLATSGTPS	SLPGHTAPVP	LLIPFTLNFT
13801	ITNLHYEENM	QHPGSRKFNT	TERVLQGLLK	PLFKNTSVGP	LYSGCRLTLL
13851	RPEKHEAATG	VDTICTHRVD	PIGPGLDREX	LYWELSXLTX	XIXELGPYXL
13901	DRXSLYVNGF	XXXXXXXXTS	TPGTSXVXLX	TSGTPXXXPX	XTSAGPLLVP
13951	FTLNFTITNL	QYEEDMHHPG	SRKFNTTERV	LQGLLGPMFK	NTSVGLLYSG
14001	CRLTLLRPEK	NGAATGMDAI	CSHRLDPKSP	GLDREQLYWE	LSQLTHGIKE
14051	LGPYTLDRNS	LYVNGFTHRS	SVAPTSTPGT	STVDLGTSQT	PSSLPSPTTA
14101	VPLLVPFTLN	FTITNLQYGE	DMRHGSRKF	NTTERVLQGL	LGPLFKNSSV
14151	GPLYSGCRLI	SLRSEKDGA	TGVDAICTHH	LNPQSPGLDR	EQLYWQLSQM
14201	TNGIKELGPY	TLDRNSLYVN	GFTHRSSGLT	TSTPWTSTVD	LGTSGTPSPV
14251	PSPTTAGPLL	VPFTLNFTIT	NLQYEEDMHR	PGSRKFNATE	RVLQGLLSPI
14301	FKNSSVGPLY	SGCRLTSLRP	EKDGAATGMD	AVCLYHPNPK	RPGLDREQLY
14351	WELSQLTHNI	TELGPYSLDR	DSLYVNGFTH	QSSMTTTRTP	DTSTMHLATS
14401	RTPASLSGPT	TASPLLVLFT	INCTITNLQY	EEDMRRTGSR	KFNTMESVLQ
14451	GLLKPLFKNT	SVGPLYSGCR	LTLLRPPKDG	AATGVDAICT	HRLLDPKSPGL
14501	NREQLYWELS	KLTNDIEELG	PYTLDRNSLY	VNGFTHQSSV	STTSTPGTST
14551	VDLRTSGTPS	SLSSPTIMXX	XPLLXPFTLN	FTITNLXYEE	XMXXPGSRKF
14601	NTTERVLQGL	LRPLFKNTSV	SSLYSGCRLT	LLRPEKDGA	TRVDAACTYR
14651	PDPKSPGLDR	EQLYWELSQL	THSITELGPY	TLDRVSLYVN	GFNPRSSVPT
14701	TSTPGTSTVH	LATSGTPSSL	PGHTXXXPLL	XPFTLNFTIT	NLXYEEXMXX
14751	PGSRKFNTTE	RVLQGLLKPL	FRNSSLEYLY	SGCRLASLRP	EKDSSAMAVD
14801	AICTHRPDPE	DLGLDRERLY	WELSNLTNGI	QELGPYTLDR	NSLYVNGFTH
14851	RSSFLTSTP	WTSTVDLGTS	GTPSPVPSPT	TAGPLLVPFT	LNFTITNLQY
14901	EEDMRHPGSR	RFNTTERVLQ	GLLTPLFKNT	SVGPLYSGCR	LTLLRPEKQE
14951	AATGVDTICT	HRVDPIGPGL	DRERLYWELS	QLTNSITELG	PYTLDRDSLY

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
15001	VNGFNPWSSV	PTTSTPGTST	VHLATSGTPS	SLPGHTAPVP	LLIPFTLNFT
15051	ITDLHYEENM	QHPGSRKFNT	TERVLQGLLK	PLFKSTSVGP	LYSGCRLTLL
15101	RPEKHGAATG	VDAICTLRLD	PTGPGLDRER	LYWELSQLTN	SVTELGPYTL
15151	DRDSLYVNGF	THRSSVPTTS	IPGTSAVHLE	TSGTPASLPG	HTAPGPLLVP
15201	FTLNFTITNL	QYEEDMRHPG	SRKFSTTERV	LQGLLKPLFK	NTSVSSLYSG
15251	CRLTLLRPEK	DGAATRVDV	CTHRPDPKSP	GLDRERLYWK	LSQLTHGITE
15301	LGPYTLDRHS	LYVNGFTHQS	SMTTTRTPDT	STMHLATSRT	PASLSGPTTA
15351	SPLLVLFTIN	FTITNQRYEE	NMHHPGSRKF	NTTERVLQGL	LRPVFKNTSV
15401	GPLYSGCRLT	LLRPKKDGAA	TKVDAICTYR	PDPKSPGLDR	EQLYWELSQL
15451	THSITELGPI	TQDRDSLYVN	GFTHRSSVPT	TSIPGTSAVH	LETSGTPASL
15501	PGHTAPGPLL	VPFTLNFTIT	NLQYEEDMRH	PGSRKFNTTE	RVLQGLLKPL
15551	FKSTSVGPLY	SGCRLTLLRP	EKGAATGVD	TICTHRLDPL	NPGLDREQLY
15601	WELSKLTRGI	IELGPYLLDR	GSLYVNGFTH	RTSVPTTSTP	GTSTVDLGTS
15651	GTPFSLPSPA	XXXPLLXPFT	LNFTITNLXY	EEXMXXPGSR	KFNTTERVLQ
15701	TLLGPMFKNT	SVGLLYSGCR	LTLRSEKDG	AATGVDAICT	HRLDPKSPGV
15751	DREQLYWELS	QLTNGIKELG	PYTLDNRSLY	VNGFTHWIPV	PTSSTPGTST
15801	VDLGSGTPSL	PSSPTTAGPL	LVPFTLNFTI	TNLKYEEDMH	CPGSRKFNTT
15851	ERVLQSLGPI	MFKNTSVGPL	YSGCRLTLLR	SEKDGAATGV	DAICTHRLDP
15901	KSPGVDREQL	YWELSQTNG	IKELGPYTLD	RNSLYVNGFT	HQTSAPNTST
15951	PGTSTVDLGT	SGTPSSLPSP	TXXXPLLXPF	TLNFTITNLX	YEEXMXXPGS
16001	RKFNTTERVL	QGLLXPXFKX	TSVGXLYSGC	RLTLLRXEKX	XAATXVDXXC
16051	XXXXDPXXPG	LDREXLYWEL	SXLTXIXEL	GPYXLDXSL	YVNGFTHWIP
16101	VPTSSTPGTS	TVDLGSGTPS	SLPSPTTAGP	LLVPFTLNFT	ITNLKYEEDM
16151	HCPGSRKFNT	TERVLQSLLG	PMFKNTSVGP	LYSGCRLTSL	RSEKDGAATG
16201	VDAICTHRVD	PKSPGVDREQ	LYWELSQTNG	GIKELGPYTL	DRNSLYVNGF

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
16251	THQTSAPNTS	TPGTSTVDLG	TSGTPSSLPS	PTSAGPLLVP	FTLNFTITNL
16301	QYEEDMHHPG	SRKFNTTERV	LQGLLGPMFK	NTSVGLLYSG	CRLTLLRPEK
16351	NGAATGMDAI	CTHRLDPKSP	GLDREXLYWE	LSXLTXXIXE	LGPYXLDRXS
16401	LYVNGFXXXX	XXXXTSTPGT	SXVXLXTSGT	PXXXXPXXTXX	XPLLXPFTLN
16451	FTITNLXYEE	XMXXPGSRKF	NTTERVLQGL	LKPLFRNSSL	EYLYSGCRLA
16501	SLRPEKDSSA	MAVDAICTHR	PDPEDLGLDR	ERLYWELSNL	TNGIQELGPY
16551	TLDRNSLYVN	GFTHRSSMPT	TSTPGTSTVD	VGTSCTPSSS	PSPTTAGPLL
16601	IPFTLNFTIT	NLQYGEDMGH	PGSRKFNTTE	RVLQGLLGPI	FKNTSVGPLY
16651	SGCRLTSLRS	EKDGAATGVD	AICIHHLDPK	SPGLNRERLY	WELSQLTNGI
16701	KELGPYTLDR	NSLYVNGFTH	RTSVPTTSTP	GTSTVDLGTS	GTPFSLPSPA
16751	TAGPLLVLFT	LNFTITNLKY	EEDMHRPGSR	KFNTTERVLQ	TLLGPMFKNT
16801	SVGLLYSGCR	LTLRSEKDG	AATGVDAICT	HRLDPKSPGL	DREXLYWELS
16851	XLTXIXELG	PYXLDRXSLY	VNGFXXXXXX	XXTSTPGTSX	VXLXTSGTPX
16901	XXPXXTXXXP	LLXPFTLNFT	ITNLXYEEXM	XXPGSRKFNT	TERVLQGLLR
16951	PVFKNTSVGP	LYSGCRLTLL	RPKKDGAATK	VDAICTYRPD	PKSPGLDREQ
17001	LYWELSQTTH	SITELGPYTQ	DRDSLYVNGF	THRSSVPTTS	IPGTSVHLE
17051	TTGTPSSFPG	HTEPGPLLIP	FTFNFTITNL	RYEENMQHPG	SRKFNTTERV
17101	LQGLLTPLFK	NTSVGPLYSG	CRLTLLRPEK	QEAATGVDTI	CTHRVDPIGP
17151	GLDRERLYWE	LSQLTNSITE	LGPYTLDRDS	LYVDGFNPWS	SVPTTSTPGT
17201	STVHLATSGT	PSPLPGHTAP	VPLLIPFTLN	FTITDLHYEE	NMQHPGSRKF
17251	NTTERVLQGL	LKPLFKSTSV	GPLYSGCRLT	LLRPEKHGAA	TGVDAICTLR
17301	LDPTGPGLDR	ERLYWELSQT	TNSITELGPY	TLDRDSLYVN	GFNPWSSVPT
17351	TSTPGTSTVH	LATSGTPSSL	PGHTTAGPLL	VPFTLNFTIT	NLKYEEDMHC
17401	PGSRKFNTTE	RVLQSLHGPM	FKNTSVGPLY	SGCRLTLLRS	EKDGAATGVD
17451	AICTHRLDPK	SPGLDREXLY	WELSXLTXXI	XELGPYXLDR	XSLYVNGFXX

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
17501	XXXXXX	TSTP	GTSXVXL	XTS	GTPXXX
17551	EEXMXX	PGSR	KFNTT	TERVLQ	GLLXPX
17601	AATXVD	XXCX	XXXDP	XXPGL	DREXLY
17651	VNGF	THRSSM	PTTSIP	GTSA	VHLET
17701	ITNLQY	EEDM	RHPGSR	KFNT	TERVLQ
17751	RPEKGA	AATG	VDTIC	THRLD	PLNPGL
17801	DRXSLY	VNGF	XXXXXXXX	TS	TPGTSX
17851	FTLNFT	ITNL	XYEEX	MXXPG	SRKFNT
17901	CRLTLL	RXEK	XXAAT	XVDXX	CXXXX
17951	LGPyXL	DRXS	LYVNG	FHPRS	SVPTT
18001	VPLLIP	FTLN	FTITNL	HYEE	NMQHPG
18051	GLLYSG	CRLT	LLRPEK	NGAA	TGMDA </td
18101	TXXIXE	LGPy	XLDRX	SLYVN	GFXXXXX
18151	PXXTXX	PLL	XPFTLN	FTIT	NLXYE </td
18201	FKXTS	VGXLY	SGCRLT	LLRX	EKXXA </td
18251	WELSXL	TXXI	XELGPY	XLDR	XSLYV
18301	GTPSS	FPGHT	EPGPLL	IPFT	FNFTIT
18351	GLLTPL	FKNT	SVGPLY	SGCR	LTLLR
18401	DREXLY	WELS	XLTXIX	ELG	PYXLDR
18451	VXLXT	SGTPX	XXPXXT	XXXXP	LLXPFT
18501	TERVLQ	GLLX	PXFKXT	SVGX	LYSGCR
18551	PXXPGL	DREX	LYWELS	XLTX	XIXELG
18601	SPGTST	VHLA	TSGTP	SSLPG	HTAPV
18651	SRKFNT	TERV	LQGLL	KPLFK	STSVGP
18701	CTLRD	PPTGP	GLDREX	LYWE	LSXLTX

Table 5 (continued)

Human Protein of CA125 Molecule
(SEQ ID NO: 5)

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18751  XXXXTSTPGT  SXVXLXTSGT  PXXXPXXTXX  XPLLXPFTLN  FTITNLXYEE
18801  XMXXPGSRKF  NTTERVLQGL  LXPXFKXTSV  GXLYSGCRLT  LLRXEKXXAA
18851  TXVDXXCXXX  XDPXXPGLDR  EXLYWELSXL  TXXIXELGPY  XLDRXSLYVN
18901  GFTHRTSVPT  TSTPGTSTVH  LATSGTPSSL  PGHTAPVPLL  IPFTLNFTIT
18951  NLQYEEDMHR  PGRKFNTE   RVLQGLLSPI  FKNSSVGPLY  SGCRLTSLRP
19001  EKDGAATGMD  AVCLYHPNPK  RPGLDREQLY  CELSQLTHNI  TELGPYSLDR
19051  DSLYVNGFTH  QNSVPTTSTP  GTSTVYWATT  GTPSSFPGHT  XXXPLLXPFT
19101  LNFTITNLXY  EEXMXXPGSR  KFNTTERVLQ  GLLXPXFKXT  SVGXLYSGCR
19151  LTLLRXEKXX  AATXVDXXCX  XXXDPXXPGL  DREXLYWELS  XLTXIXELG
19201  PYXLDRXSLY  VNGFTHWSSG  LTTSTPWTST  VDLGTSGTPS  PVPSPTTAGP
19251  LLVPFTLNFT  ITNLQYEEDM  HRPGRKFNA   Tervlqglls  PIFKNTSVGP
19301  LYSGCRLTLL  RPEKQEAATG  VDTICTHRVD  PIGPLDREX   LYWELSXLTX
19351  XIXELGPYXL  DRXSLYVNGF  XXXXXXXXTS  TPGTSXVXLX  TSGTPXXXPX
19401  XTXXXPLLXP  FTLNFTITNL  XYEEXMXXPG  SRKFNTTERV  LQGLLXPXFK
19451  XTSVGXLYSG  CRLTLLRXEK  XXAATXVDXX  CXXXXDPXXP  GLDREXLYWE
19501  LSXLTXIXE   LGPYXLDRXS  LYVNGFTHRS  FGLTTSTPWT  STVDLGTSGT
19551  PSPVPSPTTA  GPLLVPFLLN  FTITNLQYEE  DMHRPGRKF   NTTERVLQGL
19601  LTPLFRNTSV  SSLYSGCRLT  LLRPEKDGA   TRVDAVCTHR  PDPKSPGLDR
19651  EXLYWELSXL  TXXIXELGPY  XLDRXSLYVN  GFXXXXXXXXX  TSTPGTSXVX
19701  LXTSGTPXXX  PXXTXXXPLL  XPFTLNFTIT  NLXYEEXMXX  PGRKFNTTE
19751  RVLQGLLXPX  FKXTSVGXLY  SGCRLTLLRX  EKXXAATXVD  XXCXXXXDPX
19801  XPGLDREXLY  WELSXLTXI   XELGPYXLDR  XSLYVNGFTH  WIPVPTSSTP
19851  GTSTVDLGSG  TPSSLPSPTT  AGPLLVPFLL  NFTITNLQYG  EDMGHPSRK
19901  FNTTERVLQG  LLGPIFKNTS  VGPLYSGCRL  TSLRSEKDGA  ATGVDAICIH
19951  HLDPKSPGLD  REXLYWELSX  LTXXIXELGP  YXLDRXSLYV  NGFXXXXXXXX

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Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
20001	XTSTPGTSXV	XLXTSGTPXX	XPXXTXXXPL	LXPFTLNFTI	TNLXYEEXMX
20051	XPGSRKFNTT	ERVQGLLXP	XFKXTSVGXL	YSGCRLTLLR	XEKXXAATXV
20101	DXXCXXXXDP	XXPGLDREXL	YWELSXLTX	IXELGPYXLD	RXSLYVNGFT
20151	HQTFAPNTST	PGTSTVDLGT	SGTPSSLPSP	TSAGPLLVPF	TLNFTITNLQ
20201	YEEDMHHPGS	RKFNTTTERVL	QGLLGPMFKN	TSVGLLYSGC	RLTLLRPEKN
20251	GAATRVDVAVC	THRPDPKSPG	LDREXLYWEL	SXLTXIXEL	GPYXLDRXSL
20301	YVNGFXXXXX	XXXTSTPGTS	XVXLXTSGTP	XXXXPXXTAPV	PLLIPFTLNF
20351	TITNLHYEEN	MQHPGSRKFN	TTERVLQGLL	RPLFKSTSVG	PLYSGCRLTL
20401	LRPEKHGAAT	GVDAICTLRL	DPTGPGLDRE	RLYWELSQLT	NSVTELGPYT
20451	LDRDSLYVNG	FTQRSSVPTT	SIPGTSAVHL	ETSGTPASLP	GHTAPGPLL
20501	PFTLNFTITN	LQYEVDMRHP	GSRKFNTTER	VLQGLLKPLF	KSTSVGPLYS
20551	GCRLTLLRPE	KRGAATGVDT	ICTHRLDPLN	PGLDREQLYW	ELSKLTRGII
20601	ELGPYLLDRG	SLYVNGFTHR	NFVPITSTPG	TSTVHLGTSE	TPSSLPRPIV
20651	PGPLLVPFTL	NFTITNLQYE	EAMRHGSRK	FNTTERVLQG	LLRPLFKNTS
20701	IGPLYSSCRL	TLLRPEKDKA	ATRVDIACTH	HPDPQSPGLN	REQLYWELSQ
20751	LTHGITELGP	YTLDRDSLYV	DGFTHWSPIP	TTSTPGTSIV	NLGTSGIPPS
20801	LPETXXXXPL	LXPFTLNFTI	TNLXYEEXMX	XPGSRKFNTT	ERVQGLLKP
20851	LFKSTSVGPL	YSGCRLTLLR	PEKDGVAATRV	DAICTHRPDP	KIPGLDRQQL
20901	YWELSQLTHS	ITELGPYTLD	RDSLYVNGFT	QRSSVPTTST	PGTFTVQPET
20951	SETPSSLPGP	TATGPVLLPF	TLNFTITNLQ	YEEDMHRPGS	RKFNTTTERVL
21001	QGLLMPLFKN	TSVSSLYSGC	RLTLLRPEKD	GAATRVDVAVC	THRPDPKSPG
21051	LDRERLYWKL	SQLTHGITEL	GPYTLDRHSL	YVNGFTHQSS	MTTTRTPDTS
21101	TMHLATS RTP	ASLSGPTTAS	PLLVLFITNF	TITNLRYEEN	MHHPGSRKFN
21151	TTERVLQGLL	RPVFKNTSVG	PLYSGCRLTL	LRPKKDGAAT	KVDAICTYRP
21201	DPKSPGLDRE	QLYWELSQLT	HSITELGPYT	QDRDSLYNVG	FTQRSSVPTT

Table 5 (continued)

Human Protein of CA125 Molecule (SEQ ID NO: 5)					
21251	SVPGTPTVDL	GTSGTPVSKP	GPSAASPLL	LV LFTLNGTITN	LRYEENMQHP
21301	GSRKFNTTER	VLQGLLRSLF	KSTSVGPLYS	GCRLTLLRPE	KDGTATGVDA
21351	ICTHHPDPKS	PRLDREQLYW	ELSQLTHNIT	ELGHYALDND	SLFVNGFTHR
21401	SSVSTTSTPG	TPTVYLGASK	TPASIFGPSA	ASHLLILFTL	NFTITNLRYE
21451	ENMWPGSRKF	NTTERVLQGL	LRPLFKNTSV	GPLYSGSRLT	LLRPEKDGEA
21501	TGVDAICTHR	PDPTGPGGLDR	EQLYLELSQL	THSITELGPY	TLDRDSLIVN
21551	GFTHRSSVPT	TSTGVVSEEP	FTLNFTINNL	RYMADMGQPG	SLKFNITDNV
21601	MKHLLSPLFQ	RSSLGARYTG	CRVIALRSVK	NGAETRVDLL	CTYLQPLSGP
21651	GLPIKQVFHE	LSQQTHGITR	LGPYSLDKDS	LYLNGYNEPG	LDEPPTTPKP
21701	ATTFLPPLSE	ATTAMGYHLK	TLTLNFTISN	LQYSPDMGKG	SATFNSTEGV
21751	LQHLLRPLFQ	KSSMGPFYLG	CQLISLRPEK	DGAATGVDTT	CTYHPDPVGP
21801	GLDIQQLYWE	LSQLTHGVTQ	LGFYVLDLDRS	LFINGYAPQN	LSIRGEYQIN
21851	FHIVNWNLSN	PDPTSSEYIT	LLRDIQDKVT	TLYKGSQ LHD	TFRFCLVTNL
21901	TMDSVLVTVK	ALFSSNLDPS	LVEQVFLDKT	LNASFHWLGS	TYQLVDIHVT
21951	EMESSVYQPT	SSSSTQHFYL	NFTITNLPYS	QDKAQPGTTN	YQRNKRNIED
22001	ALNQLFRNSS	IKSYFSDCQV	STFRSVPNRH	HTGVDSL CNF	SPLARRVDRV
22051	AIYEEFLRMT	RNGTQLQNFT	LDRSSVLVDG	YSPNRNEPLT	GNSDLPFWAV
22101	ILIGLAGLLG	LITCLICGVL	VTTRRRKKEG	EYNVQQQCPG	YYQSHLDLED
22151	LQ				